

## Annual Pulse Industry Joint Research Review Funding Year 2020-21

The USA Dry Pea & Lentil Council invites you to join the Annual Pulse Joint Research Review held in Moscow, ID 11-12 February. Additionally, you are invited to join the Pulse Crop Working Group the evening of 10 February to discuss industry priorities followed by a World Pulses Day Event. The USADPLC & Northern Pulse Grower's Association Research Committees will meet on 13 February to discuss the research proposals from the Joint Research Review. A local Pulse Research tour is also being planned for the afternoon of Thursday 13 February.

**Purpose:** To hear and prioritize research proposals for the 2020-21 financial year and share industry goals with the Pulse Crop Working Group

**Locations:** **Joint Research Review**  
USA Dry Pea & Lentil Council Stateline Office  
2780 W Pullman Road  
Moscow, ID 83843

**Pulse Crops Working Group Meeting**  
Paradise Creek Brewery – Downtown Restaurant  
245 SE Paradise Street  
Pullman, WA 99163

**Dates:** **Monday 10 February 5:30PM**  
Pulse Crop Working Group Meeting (snacks provided)  
World Pulses Day Event (dinner provided)

**Tuesday & Wednesday 11-13 February**  
Research Review  
Lunch & Dinner Provided

**Thursday 13 February**  
NPGA Committee Meeting  
USADPLC Research Committee Meeting  
*Tentative* Local Pulse Research Tour



Please contact Dr Evy Jaconis at  
[ejaconis@usapulses.org](mailto:ejaconis@usapulses.org) or  
208.882.3023 to confirm your  
attendance and for questions.



## Joint Research Review Teleconference (Zoom) Details

### **Tuesday 11 February Joint Research Review**

#### ***Morning Session***

<https://zoom.us/j/892289039>  
Meeting ID: 892 289 039

One tap mobile  
+16699006833,,892289039# US (San Jose)  
+16465588656,,892289039# US (New York)

### **Tuesday 11 February Joint Research Review**

#### ***Afternoon Session***

<https://zoom.us/j/563279013>  
Meeting ID: 563 279 013

One tap mobile  
+16699006833,,563279013# US (San Jose)  
+16465588656,,563279013# US (New York)

### **Wednesday 12 February Joint Research Review**

#### ***Morning Session***

<https://zoom.us/j/911451704>  
Meeting ID: 911 451 704

One tap mobile  
+16699006833,,911451704# US (San Jose)  
+16465588656,,911451704# US (New York)

### **Wednesday 12 February Joint Research Review**

#### ***Afternoon Session***

<https://zoom.us/j/668696009>  
Meeting ID: 668 696 009

One tap mobile  
+16699006833,,668696009# US (San Jose)  
+16465588656,,668696009# US (New York)

### **Zoom Dial by Location Details**

+1 669 900 6833 US (San Jose)  
+1 646 558 8656 US (New York)  
877 853 5247 US Toll-free  
877 369 0926 US Toll-free

USADPLC and NPGA Joint Research Review					
11-13 February 2020					
2020-21 Funding Cycle					
Pacific Time	TAB	PI-First Name	PI-Last Name	Title	Organization
Tuesday 11 February					
Morning Session					
Breeding & Genetics & Variety Trials					
9:00 AM		NPGA			NPGA
9:15 AM		NPGA			NPGA
9:30 AM	<u>7</u>	Kurtis	Schroeder	Pea, Lentil and Chickpea Extension Variety Trials in Northern Idaho	USADPLC
9:45 AM	<u>8</u>	Steve	Van Vleet	WSU Winter and Spring Legume Variety Testing Program	USADPLC
10:00 AM	<u>11</u>	Frankie	Crutcher	Development of a non-destructive high-throughput DNA extraction methodology for pulse seed borne disease diagnostic and breeding applications	USADPLC
10:15 AM	<u>2</u>	Kevin	McPhee	Pulse Crop Breeding	USADPLC
	<u>12</u>	Kevin	McPhee	Pulse Crop Breeding - Combine	USADPLC
10:40 AM	Break				
11:00 AM	<u>1</u>	George	Vandemark	Genetic Improvement of Chickpea for Agronomic and Nutritional Quality Traits	USADPLC
11:15 AM	<u>6</u>	Chengci	Chen	Statewide Pea, Lentil, and Chickpea Variety Evaluation in Montana	USADPLC
11:30 AM	<u>9</u>	Alexander	Karasev	Molecular tools to protect peas against viruses	USADPLC
11:45 AM	<u>10</u>	Audrey	Kalil	Pea Root Rot Disease Screening Nurseries in Western North Dakota	USADPLC
12:00 PM	<u>3</u>	Rebecca	McGee	Spring Lentil ( <i>Lens culinaris</i> Medik.) Cultivar Development	USADPLC
	<u>4</u>	Rebecca	McGee	Spring Pea ( <i>Pisum sativum</i> L) Cultivar Development	USADPLC
	<u>5</u>	Rebecca	McGee	Breeding and Development of Autumn-Sown Pulse Crops	USADPLC
12:30 PM	Break		Lunch		
Afternoon Session					
Crop Management & Sustainability					
1:30 PM		NPGA			NPGA
1:45 PM		NPGA			NPGA
2:00 PM		NPGA			NPGA
2:15 PM		NPGA			NPGA
2:30 PM	<u>13</u>	Ian	Burke	Weed Management in Pulses	USADPLC
2:45 PM	<u>14</u>	Jamin	Smitchger	The Ultralight Lentil Weed Mower: A Cost Effective Method for Late Season Weed Control in Lentils, Chickpeas, and Other Crops	USADPLC
3:00 PM	<u>15</u>	Lyndon	Porter	Management of Fusarium wilt of Chickpea	USADPLC

3:15 PM	<a href="#"><u>16</u></a>	Mary	Burrows	Detecting soilborne pathogens using high throughput molecular methods	USADPLC
3:30 PM	<a href="#"><u>17</u></a>	Ruijun	Qin	Pea, Lentil and Chickpea	USADPLC
3:45 PM	<a href="#"><u>18</u></a>	Weidong	Chen	Developing management options for metalaxyl-resistant <i>Pythium</i> for pulse crop production in the Pacific Northwest	USADPLC
4:00 PM	Break				
5:30 PM	Dinner - TBD				
Wednesday 12 February					
	Morning Session				
Product Development & Innovation					
9:00 AM	<a href="#"><u>19</u></a>	Candida	Rebello	Marketing Strategy to Promote Partial Substitution of Meat with Pulses	USADPLC
9:15 AM	<a href="#"><u>20</u></a>	Girish	Ganjyal	Fibrous structuring potential of lentil protein for plant-based meat analog preparation	USADPLC
9:30 AM	<a href="#"><u>21</u></a>	Haibo	Huang	Improve the feasibility of pea protein as a functional and nutritional ingredient in infant formula products	USADPLC
9:45 AM	<a href="#"><u>22</u></a>	Kanika	Bhargava	Prebiotics from Pulses: Isolation, Characterization, and Applications	USADPLC
10:00 AM	<a href="#"><u>23</u></a>	Michael	Colle	Replacing allergenic soy and non-natural sodium phosphate with non-allergenic and ‘all-natural’ pulse crops as binders in beef patties	USADPLC
10:15 AM	Break				
10:30 AM		NPGA			NPGA
10:45 AM		NPGA			NPGA
11:00 AM		NPGA			NPGA
11:15 AM		NPGA			NPGA
11:30 AM	Break	Lunch			
	Afternoon Session				
Nutrition & Health Benefits					
12:30 PM	<a href="#"><u>24</u></a>	Clifford	Hall III	Pulse Quality and Starch Modification	USADPLC
12:45 PM	<a href="#"><u>30</u></a>	Kalidas	Shetty	Novel Biotransformation of Chickpea Flour for Food Ingredient Applications to Reduce Acrylamide	USADPLC
	<a href="#"><u>31</u></a>	Kalidas	Shetty	Pea Flour as Value-Added Food Ingredients for Human Gut Health Benefits	USADPLC
1:10 PM	<a href="#"><u>25</u></a>	Allison	Childress	Effects of Pulse Ingestion During Endurance Exercise Versus a Commercial Carbohydrate Gel	USADPLC
1:25 PM	<a href="#"><u>26</u></a>	Andrea	Hutchins	Effects of daily split pea consumption and exercise on sarcopenia in adults with sarcopenia	USADPLC
1:40 PM	<a href="#"><u>27</u></a>	Annie	Roe	12-Week Dietary Intervention to Improve Cognition and Emotional Wellbeing in Older Adults through Reduction of Inflammation and Oxidative Stress	USADPLC
1:55 PM	<a href="#"><u>28</u></a>	David	Montrose	Demonstrating the Benefits of Pea-derived Protein Consumption in Colon Cancer	USADPLC

2:10 PM	<u>29</u>	Jack	Losso	Health benefits of chickpea protein concentrate against mast cell activation <i>in vivo</i>	USADPLC
2:25 PM	<u>32</u>	Nanguneri	Nirmala	Evidence mapping of the association between pulses and protective effects against cancer	USADPLC
2:40 PM	Break				
2:55 PM	<u>33</u>	Sanjiv	Agarwal	Analysis of intake of pulses using NHANES 2001-2016 and model the nutritional impact of additional servings of pulses to the Healthy US-Style Eating Pattern	USADPLC
3:10 PM		NPGA			NPGA
3:25 PM		NPGA			NPGA
3:40 PM		NPGA			NPGA
3:55 PM		NPGA			NPGA
4:10 PM	Break				
5:30 PM	Dinner - TBD				
Thursday 13 February					
	Morning Session				
	Committee Meetings				
9:00 AM	NPGA Committee Meeting				
10:30 AM	USADPLC Research Committee Meeting				
12:30 PM	Break	Lunch			
	Afternoon Session				
1:30 PM	Local Pulse Tour - Tentative				