



## Application: Irrigation Efficiencies Project

Dear pear growers –

We would like to invite you to participate in a demonstration project in collaboration with WSU and Cascadia Conservation District. The objective of this project is to demonstrate Best Management Practices which **increase fruit quality** (reducing cork/increasing fruit size) and **improve irrigation efficiency**. Participants in this project will receive:

- An expert evaluation of the irrigation system in a problem block by WSU specialist Troy Peters.
- A recommendation to improve this system.
- **Up to \$10,000 in cost share for irrigation system improvements** in selected block (supplies only no labor).

From participants we require:

- Willingness to participate in a research/demonstration project and share what you learn with your peers including:
  - Pre-screening site visit to assess site.
  - Providing pack out history where available.
  - Helping to organize records so that pack out can be identified after installation.
  - Access to the block for irrigation system evaluation/ being available to answer questions to WSU Troy Peters.
  - Access to the block for irrigation and tree measurements in the year following with WSU Tianna DuPont.
  - One to two demonstration tours over two years at an agreed upon time with project partners (WSU, Cascadia Conservation District), funders, and other growers interested in cost-share opportunities.
  - Provision of irrigation schedule information and/or flow meter installation on block and control sites to determine changes in water use efficiency.
- Timely installation of improvements.

Participants will be chosen based on:

- A history of a production challenge likely associated with irrigation.
- Willingness and ability to participate in the project.
- Suitability of the block in illustrating one of the common irrigation challenges identified in pears.
- Resource availability (four total participants will be selected).
- Location (priority watersheds include Wenatchee and Entiat).

Timeline available for implementing project work. Applications are due by June 11, 2018 to be considered for participation in this project. The review committee will meet to review applications on June 18<sup>th</sup>.

Funding for this project is provided in part by the Tree Fruit Research Commission Fresh Pear Committee and Bonneville Environmental Foundation

Sincerely,

Tianna DuPont, WSU Extension  
tianna.dupont@wsu.edu  
(509) 663-8181 ext 211

Mary Sutton Carruthers, Cascadia Cons. Dist.  
marysuttonc@cascadiaCD.org  
(509) 436-1601

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Name		Phone		Company	
Mailing Address					
Physical Address (if different)					
Total Acres Pears					
<b>Please describe the proposed project area for upgrades (2015-2017)</b>					
Acres (in project area)		Avg yield			
Variety		Avg fruit size			
Aspect/ slope/soil		Avg pack out			
Fruit issues (check all that apply)	Declining yields <input type="checkbox"/>	Declining fruit size <input type="checkbox"/>	Cork defect <input type="checkbox"/>	Other <input type="checkbox"/>	
Irrigation issues (check all that apply)	Insufficient irrigation water <input type="checkbox"/>	Uneven pressure and distribution <input type="checkbox"/>	Equipment issues (old, malfunctioning) <input type="checkbox"/>		
	Sandy soils with low water holding capacity <input type="checkbox"/>	Heavy soils with limited drainage <input type="checkbox"/>	Water timing limitations (insufficient or excess water due to timing) <input type="checkbox"/>	Other <input type="checkbox"/>	
General Description of problem (also include any fruit quality and irrigation issues not listed above)					
<b>Please describe your interest/ability to participate</b>					
Are you available to implement work in 2018?	Yes <input type="checkbox"/>	No (explain) <input type="checkbox"/>	Explanation (if needed)		
Do you agree to the applicant requirements? (Access, pack out and irrigation info, etc.)	Yes <input type="checkbox"/>	No (explain) <input type="checkbox"/>	Explanation (if needed)		
Please describe your interests in participating					

Send completed application to [MarySuttonC@CascadiaCD.org](mailto:MarySuttonC@CascadiaCD.org), or mail to Cascadia Conservation District: 14 N. Mission St. Wenatchee, WA 98801