



**Oregon State**  
University

**Department of Horticulture**

North Willamette Research & Extension Center  
15210 NE Miley Road, Aurora, Oregon 97002-9543

## **Vegetable and Seed Irrigation Technologies Post-Doctoral Scholar**

### **Position Summary:**

The Buckland Lab is seeking a motivated applicant to develop and disseminate research associated with sensor-based irrigation management in vegetables and vegetable seed crops including orchards, vineyards, and nursery production. These commodities are some of the most valuable specialty-crops grown in Oregon and depend on supplemental irrigation during the dry growing season. Project themes include, but are not limited to, irrigation impacts on seed or vegetable yield and quality, sensor-development, nutrient management, the economics of water management, or social and environmental impacts of agricultural water use.

The position will be stationed at the North Willamette Research & Extension Center in Aurora, OR (NWREC). NWREC is a research farm, with views of Mt. Hood, located in the suburban/agricultural matrix in between the Portland and Salem metro regions. In this position, you will have considerable independence to develop your skills as well as be provided opportunities for mentorship and professional development. Oregon State University commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, and individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community. If you are interested in supporting our project and institutional goals, then we hope you apply for this position.

### **Position Duties:**

#### **40% Research and Scholarship**

- Identify, design, execute, and analyze field or lab-based research that will optimize water-use in seed and vegetable crop production systems.
- Generate and disseminate peer validated publications and creative works related to irrigation management.
- Assist with grant funding processes to support and develop research project goals.
- Seek out and engage in opportunities for relevant professional development.

#### **40% Extension**

- Develop and deliver publicly accessible content such as internet-based materials (website, video, and social media), as well as public workshops at local, regional, and national venues.
- Assist with on-farm visits, consultations, and other regional and national engagements with stakeholders including growers, legislators, and academics.

#### **20% Supervision**

- Supervise students and temporary employees working in the laboratory and field,

including planning, assigning, and approving work.

- Schedule required materials purchases and maintain field plots and equipment used for research and Extension purposes.

### **Minimum/Required Qualifications**

- Ph.D. in Horticulture, Botany, Ecology, or relevant academic discipline
- Completed Ph.D. within less than five years of hiring date.
- Experience in designing, conducting, and analyzing lab and field experiments.
- Excellent communication skills in both verbal and written English
- A criminal history check is required to be determined to be position qualified as per OSU Standard 576-055-0000 et seq. Applicants are required to self-report convictions, and those in youth programs may have additional criminal history checks every 24 months. Offers of employment are contingent upon meeting all minimum qualifications including the criminal history check requirement.
- To be determined qualified the incumbent must complete a Motor Vehicle History check, possess and maintain a current, valid driver's license in their state of residence, and self-report convictions (as per Voluntary and Compulsory Driver Standards OAR 125-155-0200) as per OAR 576-056-0000 et seq.

### **Preferred (Special) Qualification**

- Experience with vegetables and seed crop production systems
- A record of grant writing/grant reporting and peer-reviewed scientific publications
- Experience delivering educational material
- Supervisory experience
- A demonstrable commitment to promoting and enhancing diversity

### **Working Conditions/Work Schedule**

The Post-Doctoral Scholar may be required to work outside during inclement weather or evening/nighttime hours for data collection, depending upon the time of year and experimental protocol. Outside environments included agricultural, urban, and rural settings.

The position is available as early as December 2024 and includes three years of salary support, including benefits. Additional position information is at <https://gradschool.oregonstate.edu/postdocs>

### **To apply, please email [Kristine.Buckland @OregonState.Edu](mailto:Kristine.Buckland@OregonState.Edu)**

1. 1-page cover letter
2. CV
3. Example of Academic writing

### Questions can be directed to:

Kristie Buckland, PhD

Associate Professor, Vegetable and Specialty Seed Crop Specialist

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