



## THE OPPORTUNITY

The Department of Crop and Soil Sciences (CSS) in the College of Agricultural, Human, and Natural Resources Sciences (CAHNRS) at Washington State University (WSU) seeks a dynamic, motivated, problem-solving leader to join an extraordinary team of research and extension faculty in irrigated agriculture for eastern Washington State. We are seeking to fill a 12-month, tenure-track Assistant Professor rank position beginning April 1, 2020.

The incumbent will establish and lead an integrated and collaborative weed science research and Extension program in irrigated agriculture that serves the needs of clientele in central Washington production areas.

## WASHINGTON STATE UNIVERSITY

Founded in 1890, WSU is a comprehensive land-grant university with teaching, research, and extension missions, and one of two research universities in Washington State. WSU is organized into ten academic colleges, the Honors College, and the Graduate School. It has an enrollment of more than 30,000 undergraduate and graduate students on five campuses (Pullman, Spokane, Tri-Cities, Vancouver and Everett). WSU ranks among the top 60 public research universities and is a Carnegie I, Doctoral/Research Extensive University. WSU strongly values diversity among its faculty, staff, and students and seeks to ensure a welcoming community for all. Further information about WSU can be found at: <http://www.wsu.edu>.

## Department of Crop and Soil Sciences

WSU Position #130574

### TITLE:

- Assistant Professor and Extension Weed Scientist
- 12-month, full-time, tenure-track position

### LOCATION:

- Washington State University – Irrigated Agriculture Research and Extension Center (IAREC), Prosser

### SALARY:

- Competitive salary commensurate with qualifications and experience; excellent benefits

### START:

- April 1, 2020; negotiable

WASHINGTON STATE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER.

Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply.

## RESPONSIBILITIES

The Assistant Professor and Extension Weed Scientist will develop a nationally recognized, integrated research and Extension program in weed science. The successful candidate must acquire competitive extramural funding from state, regional, and national agencies and agricultural industry stakeholders to support this comprehensive program. The incumbent will disseminate information by publishing results in appropriate peer-reviewed journals and Extension media, delivering presentations at scientific conferences and grower meetings, and using other modern communication platforms. The person hired is expected to work collaboratively with other scientists, the grower community, agronomists, plant breeders, extension professionals, crop consultants, and other stakeholders. Teaching responsibilities will include the mentoring and supervision of graduate students and assistance with CSS course delivery as needed by the department. Other duties include serving on CSS, IAREC, CAHNRS and WSU committees.

The Weed Scientist will participate in the successful integration of weed control practices into irrigated crop production systems of central Washington. Research and extension emphases may include, but are not limited to: weed biology and ecology, weed-crop interference, cultural weed control tactics such as crop rotation and fertilizer application timing and placement, tillage, chemical, and biological control. Herbicide-resistant weeds are an increasing issue that may warrant attention by the incumbent. There are more than 200 different crops grown under irrigation in the Yakima valley and Columbia Basin, providing the successful candidates with a plethora of research opportunities. Strong commodity support exists for many of the major crops, including potatoes, grass seed, grapes, apples, stone fruit, small fruits, hops, and mint.

## QUALIFICATIONS

### Required:

- Earned Ph.D. degree in Weed Science or a closely-related discipline with a research emphasis on weed control and management by the time of hire;
- Demonstrated ability to communicate effectively with technical and nontechnical audiences using oral and written forms.

### Preferred:

- Experience in field research with a variety of crops, including ability to conduct efficient and effective field experiments (plot establishment, maintenance, data collection, and analysis);
- Demonstrated knowledge and ability to work effectively with individuals and groups of diverse cultures, backgrounds, and ideologies;
- Record of competitive grant success commensurate with career level;
- Record of publication in peer-reviewed journals and Extension media commensurate with career level;
- Demonstrated ability to lead and participate/collaborate in interdisciplinary research programs;
- Experience supervising support staff and students;
- Demonstrated ability to organize and lead interdisciplinary Extension programs;
- Demonstrated evidence of teaching and/or student mentoring.

## PROSSER, WA

Prosser is located in the heart of irrigated agriculture in the lower Yakima Valley. With over 30 local wineries, and almost 300 sunny days a year, it is a travel destination for many in the Pacific Northwest. Prosser has a population of just over 6,100. To learn more about the Prosser community, visit:

<https://www.prosserchamber.org>

## **THE DEPARTMENT OF CROP AND SOIL SCIENCES (CSS)**

Faculty, staff and students in CSS are committed to improving the long-term sustainability of agricultural systems through research, teaching, and extension. Our department offers M.S. and Ph.D. degrees in Crop Science and Soil Science, with 65 graduate students currently enrolled. In addition, we advise another 15 to 20 graduate students pursuing Ph.D. degrees in Molecular Plant Sciences and the distance M.S. degree in Agriculture. Undergraduate students can select B.S. programs in Agricultural and Food Systems (with majors in agricultural education; agricultural technology and production management; agricultural and food business economics, and organic agriculture) and Integrated Plant Sciences (with majors in agricultural biotechnology; field crop management; fruit and vegetable management; landscape, nursery, and greenhouse management; and viticulture and enology). Facilities include a new 30-acre organic farm on the Pullman campus, six dryland and one irrigated agronomy farm within a 120-mile radius of Pullman, and labs and farms at research centers in Mount Vernon, Puyallup, Prosser, and Wenatchee. Partnerships with the USDA Agricultural Research Service, the Department of Energy's Pacific Northwest Laboratory, the University of Washington and other universities, commodity commissions, the agriculture industry, and family farms result in well-rounded and timely research, successful outreach, and opportunities for student internships. For more information, visit: <http://css.wsu.edu>.

## **IRRIGATED AGRICULTURE RESEARCH AND EXTENSION CENTER (IAREC):**

The Irrigated Agriculture Research and Extension Center (IAREC) is located near Prosser in the lower Yakima Valley of central Washington. The IAREC functions as an administrative unit of CAHNRS and maintains a strong multidisciplinary focus. Seventeen faculty members are stationed at the IAREC representing seven WSU academic and Extension departments, as well as about 100 support staff members and graduate students. Three subject-matter centers (AgWeatherNet, the Center for Precision and Automated Agricultural Systems, and the Clean Plant Center Northwest) operate from IAREC. In addition, seven scientists and several support staff belonging to three USDA-ARS Units and Washington State Department of Agriculture personnel are co-located at IAREC. Facilities include four research farms totaling almost 1200 acres, and extensive laboratories, greenhouses, offices, and support facilities. The Tri-Cities and Yakima metropolitan areas, less than an hour's drive from the IAREC, host the WSU Tri-Cities campus and the USDA Yakima Agricultural Research Laboratory, respectively. IAREC faculty collaborates with faculty at the WSU Wine Science Center (located at the WSU Tri-Cities campus) that offers state-of-the-art laboratory facilities for plant physiology, microbiology and biochemistry research. IAREC faculty also collaborate with scientists at the Pacific Northwest National Laboratory (PNNL) Environmental Molecular Sciences Laboratory (EMSL), national user facility located at a short distance from the Wine Science Center. World-class EMSL scientists offer expertise in fields ranging from rhizosphere research, environmental microbiology and metagenomics to analytical chemistry and high-performance computing. For more information on IAREC, visit <http://iarec.wsu.edu/>. For more information on PNNL-EMSL, visit: <https://www.emsl.pnnl.gov/emslweb/>

## **THE COLLEGE OF AGRICULTURAL, HUMAN, AND NATURAL RESOURCE SCIENCES**

The College of Agricultural, Human and Natural Resource Sciences (CAHNRS) at Washington State University is an expansive and diverse college that includes 12 academic units, 3 Extension Program Units, and 4 research and extension centers distributed across the state. CAHNRS fosters disciplines that serve at the interface of scientific discovery and its application to the advancement of society and improvement of the human experience. Our mission is to provide global leadership in discovering, accessing, and disseminating knowledge that contributes to producing a safe, abundant food and fiber supply; promotes the well-being of individuals, families, and communities; enhances sustainability of agricultural and economic systems; and promotes stewardship of natural resources and ecological systems. CAHNRS personnel embrace the opportunity to fulfill the university's land-grant mission by making groundbreaking research discoveries, by utilizing innovative approaches to teaching and learning, and by delivering relevant, progressive extension programs that

synergistically generate outcomes that enhance the quality of life for the citizens of Washington State, as well as for people around the globe. For more information, visit: <http://cahnrs.wsu.edu>.

## **APPLICATION PROCESS**

Screening of application materials begins January 21, 2020. To apply, visit <http://www.wsujobs.com> and be prepared to submit a detailed letter of application addressing the required and preferred qualifications, a current curriculum vitae, a list of four (4) references (include names, mailing addresses, e-mail addresses, and telephone numbers), and a scanned copy of official transcripts to facilitate screening. For questions about the position contact: Dr. Drew Lyon, (509) 335-2961; [drew.lyon@wsu.edu](mailto:drew.lyon@wsu.edu)

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WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, and a NSF ADVANCE Institutional Transformation grant (see <https://advance.wsu.edu/>). WSU employs only US citizens and lawfully authorized non-US citizens. All new employees must show employment eligibility verification as required by the U.S. Citizenship and Immigration Services. Washington State University is committed to providing access and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation in the application process, contact Human Resource Services: 509-335-4521(v), Washington State TDD Relay Service: Voice Callers: 1-800-833-6384, TDD Callers: 1-800-833-6388, 509-335-1259(f), or [hrs@wsu](mailto:hrs@wsu)

