



THE OPPORTUNITY

The College of Agricultural, Human and Natural Resource Sciences (CAHNRS) at Washington State University (WSU) seeks an Assistant Professor of Entomology to develop an innovative research and extension program focused on Integrated Pest Management (IPM) of insects and mites attacking tree fruit. The position falls within two areas of preeminence within the college: horticultural production and processing systems, and biologically-intensive, sustainable, and organic agriculture. Entomological and IPM research and extension at the WSU Tree Fruit Research & Extension Center (TFREC) is recognized nationally and internationally as an area of excellence at WSU, and this position represents a core component of this area of excellence. This position will help WSU build upon its reputation of excellence in tree fruit IPM while further bolstering its national and international leadership in the training of graduate students, especially in the area of specialty crops. The uniqueness of being located at a research and extension center in the middle of the leading fruit production region of the US represents a truly transformative experience for students that cannot be replicated on campus. This position will contribute to the integration of interdisciplinary activities at the TFREC by working with other colleagues to access external funding focusing on key production and ecological/environmental issues.

Washington is the largest producers of apples, pears, and sweet cherries in the US, with 65, 50, and 45% of the total US production, respectively. The position offers an exciting opportunity to work with the progressive tree fruit industry of Washington State which contributes \$8B annually to the economy of Washington State and is

Department of Entomology

WSU Position #125314

TITLE:

- Entomology Assistant Professor of Tree Fruit IPM
- 12-month, full-time tenure-track

LOCATION:

- Washington State University
Tree Fruit Research & Extension
Center – Wenatchee, WA

SALARY:

- Competitive salary commensurate with qualifications and experience

START:

- August 16, 2017; Negotiable

Application Review:

- Vacancy Open Until Filled
- Candidate Initial Screen Date
June 16, 2017

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.



WASHINGTON STATE UNIVERSITY

Founded in 1890, Washington State University 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 four campuses (Pullman, Spokane, Tri-Cities, and Vancouver) with approximately 20,000 students located on the main campus in Pullman, WA. 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>.

the largest single agricultural commodity. The Washington Tree Fruit Research Commission and the Washington and Oregon Pear Commission regularly provide around \$3M/year for research projects aimed at the improvement of tree fruit production, pest management, and mechanization. In addition, Washington growers have recently funded a \$32M endowment to provide six endowed chairs, operating funds for the Wenatchee and Prosser stations, and Extension delivery. This position will be well positioned to work with the industry in both applied and basic research areas that help improve IPM and technology transfer.

RESPONSIBILITIES

The successful applicant will be expected to develop a nationally and internationally recognized, and externally funded, research and extension program in Integrated Pest Management (IPM), focusing on problems faced by the Washington tree fruit industry. This program should emphasize the development of ecologically and quantitatively based IPM, with a balance of basic and applied contributions to science that are published in high quality peer-reviewed journals. In addition, the successful applicant will be expected to be an active participant in the transfer of research information to the tree fruit industry using traditional and modern methods, and participate in WSU's tree fruit extension team.

The successful applicant is also expected to support and mentor Entomology graduate students and post-doctoral scientists, and contribute to the teaching program within the Department of Entomology. The teaching expectation is 3-4 graded credit hours per annum. Additionally, to be successful in their program, the person chosen will need to pursue collaborations with colleagues at WSU, USDA-ARS, and with industry scientists to form disciplinary or interdisciplinary teams that address the needs of the tree fruit industry.

QUALIFICATIONS

Required:

- Earned Ph.D. in entomology or a related discipline at date of hire with expertise in IPM and insect ecology.

QUALIFICATIONS (CONTINUED)

Preferred:

- Evidence of a commitment to excellence in graduate education and outreach.
- Demonstrated ability and/or potential to develop a high-quality research program addressing basic and applied problems in insect ecology and/or IPM.
- Demonstrated ability to publish research in high-quality peer reviewed journals and to publish extension articles in appropriate venues.
- Demonstrated ability and/or potential to develop an extramurally funded program.
- Ability to collaborate with people of diverse cultures and backgrounds, including colleagues and clientele statewide, regionally, nationally and internationally.
- Excellent communication skills including the ability to translate and articulate research outputs and assess the outcomes and impacts of an outreach program.

THE DEPARTMENT OF ENTOMOLOGY

The Department of Entomology at WSU is actively involved with education, research, and outreach across the state to address the needs of residents and agricultural industries. We maintain a long tradition of working closely with regional USDA scientists, the Washington State Department of Agriculture, and the WSU Extension Integrated Pest Management Program. Our research strengths span all aspects of basic and applied entomology. We are deeply committed to graduate education and research opportunities guided by world-class faculty. Undergraduate students interested in pest management are offered a multidisciplinary education to ensure successful and responsible on-the-job problem solving.

The main WSU campus in Pullman is home to the M.T. James Entomological Collection of more than 3 million insect species from around the world. The museum supports the taxonomic research of visiting scholars and provides learning opportunities to the public. The department's APIS Molecular Systematics Laboratory includes more than 250 honey bee colonies in 10 research and teaching apiaries focused on addressing problems encountered by regional beekeepers.



LIFE IN WENATCHEE

The Greater Wenatchee Area has a population of approximately 65,000 and is located at the confluence of the Columbia and Wenatchee Rivers along the eastern foothills of the Cascade Mountains, midway between Seattle and Spokane. Its semi-arid climate features extended spring and fall seasons, long dry summers, and cold winters, with over 300 days of sunshine annually. In addition to its agricultural heritage and vibrant agricultural economy, the area offers a range of sports and outdoor opportunities, including skiing, hiking, mountain biking, fishing, and golfing. Along with abundant cultural events, further attractions include a thriving farmers market, an expanding Public Market and rapidly growing, restaurant, craft beer, cider, wine and distilled spirits businesses. Wenatchee Valley Community College and local public and private schools provide high-quality educational opportunities and Wenatchee is the medical hub for north central Washington. To learn more about the Wenatchee community, visit www.wenatcheeva.gov.

Entomology faculty regularly publish in top scientific journals, including Science, Nature, and PNAS. Entomology faculty have been highly successful in generating large extramural awards including multiple grants from the USDA Specialty Crops Research Initiative, the USDA Organic Research and Extension Initiatives, and the USDA Foundational program. For more information, visit <http://entomology.wsu.edu>.

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 15 academic departments, five research and extension centers, and more than 40 Extension offices 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. In all dimensions of our mission, we strive to embody the signature “*World Class, Face to Face*” motto of Washington State University. 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>.

TREE FRUIT RESEARCH AND EXTENSION CENTER (TFREC):

The Wenatchee Tree Fruit Research and Extension Center (REC) is located in a productive irrigated agricultural area with a vibrant tree fruit sector. The Center houses 11 faculty and five co-located USDA-ARS scientists who conduct multidisciplinary research principally on deciduous tree fruit (www.tfrec.wsu.edu), supported by around 80 students, technicians, and staff. Research areas include entomology, horticulture, molecular biology, plant breeding, plant pathology, plant physiology, postharvest physiology, and soil science. The Center hosts the WSU Decision Aid System, a state-of-the-art online source of time-sensitive information for tree fruit management. An office of the Center for Sustaining Agriculture and Natural Resources is also located on site. The REC hosts active Extension programs and its faculty, representing four academic departments, contribute to educational programming. Faculty have a strong commitment to graduate and undergraduate student training. The main TFREC campus in Wenatchee includes office, laboratory, and greenhouse facilities. Dry and wet labs with two research farms located in nearby agricultural areas provide over 150 acres of established orchard (both conventional and certified organic). Field trials for research and demonstration purposes with grower-cooperators and packing facilities are commonly utilized. A suite of pilot scale controlled atmosphere storage rooms and single lane fruit sorter housed in a nearby

packing facility are available.

Mission Statement: To be a hub for researchers, educators, extension specialists, students, and stakeholders focused on irrigated tree fruit and specialty crop systems to develop and apply new science-based knowledge and products to advance economically, environmentally and socially sustainable agriculture for industries and communities in Washington and the world

APPLICATION PROCESS

Screening of application materials begins June 16, 2017, and continues until filled. To apply, visit www.wsujobs.com (search #: 125314) applications must include the following materials: 1) Letter of application addressing the required and preferred qualifications, areas of expertise, and research interests; 2) A current curriculum vitae; 3) Statement of vision and goals for the position that describes how you would approach the position; 4) Electronic copies of graduate and undergraduate academic transcripts; and 5) Names and contact information for four professional references.

Please contact Dr. Vince Jones, Search Committee Chair, at vpjones@wsu.edu, 509-663-8181 x291 for questions about this position. All qualified individuals are encouraged to apply.



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. WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, and a NSF ADVANCE Institutional Transformation grant (see <http://www.excelinse.wsu.edu/>.) WSU employs only U.S. citizens and lawfully authorized non-U.S. 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.edu

