

VISION FOR A STATE-OF-THE-ART

Plant Growth Facility

Washington State University Wenatchee Tree Fruit Research and Extension Center



PURPOSE

For over 80 years, the Wenatchee Tree Fruit Research and Extension Center (TFREC) at Washington State University (WSU) has been dedicated to enhancing Washington's \$10 billion tree fruit industry through innovative research. In 2025, TFREC plans to replace its outdated 70-year-old facility with a modern Plant Growth Facility to support advanced research and tackle industry challenges.

BENEFITS

The current facility no longer meets modern research needs, lacking essential controls for lighting, temperature, and CO₂, all while facing structural issues. The new facility will:

Provide long-lasting support for the tree fruit sector for decades to come.

Attract and retain top-tier scientists and students, driving ongoing innovation.

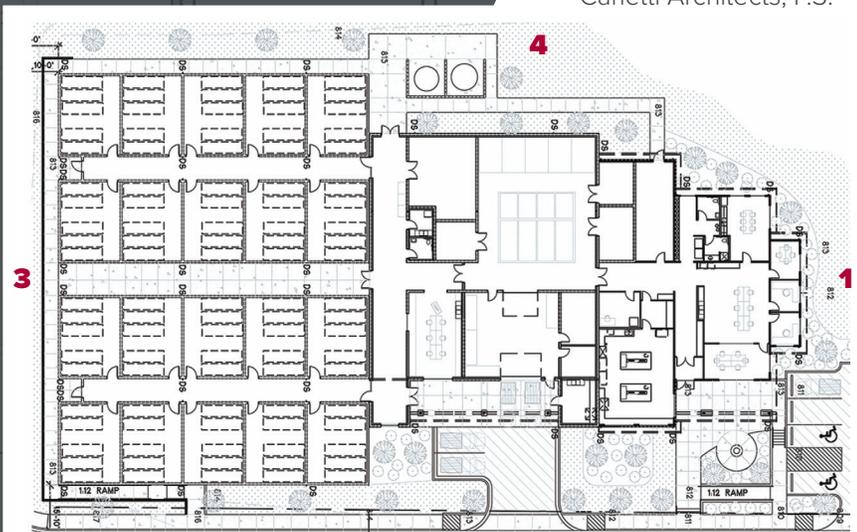
Enhance research capacity to facilitate in-depth studies of orchard stresses (abiotic and biotic) year-round.

Improve seedling production through optimization of breeding programs for apple and pear varieties, increasing the chances of discovering new cultivars.

The **Plant Growth Facility** will create a controlled environment for consistent growth conditions, enhancing research in plant genetics and physiology. It will also enrich educational experiences for students and promote collaborations that stimulate economic and technological advancements.

Architectural Concepts

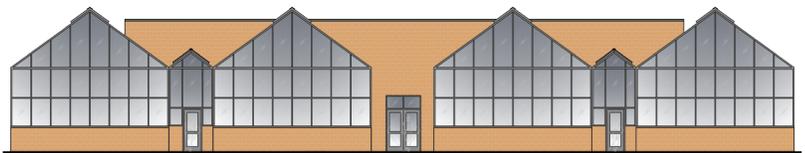
Developed by
Carletti Architects, P.S.



1 North elevation



2 East elevation



3 South elevation



4 West elevation



WASHINGTON STATE UNIVERSITY
College of Agricultural, Human,
and Natural Resource Sciences

Plant Growth Facility

WSU Wenatchee Tree Fruit Research and Extension Center

YOUR ASSISTANCE IS CRITICAL

Supporting the new **Plant Growth Facility** will significantly benefit Washington's tree fruit industry. Your contribution will fund vital research essential for developing innovative solutions for growers facing environmental challenges. This investment will ensure the industry's resilience and sustainability for future generations, helping shape a prosperous future for all involved.

FUNDING

The total budget for the PGF is \$18 million, with \$4.2 million in private donations needed.

Funding Breakdown

State Funding	\$10 million
	(56% of total cost)
Non-State Funding	
■ Current Funds	\$4 million
■ Private Gifts	\$4.2 million

Q How can I find more information?

A Visit the website, scan the QR code, or use the contact information below, tfrec.cahnrs.wsu.edu/plant-growth

To learn how to support this project, contact:

 Jim Smith, Senior Director of Development

 509-335-2243

 alumni.friends@wsu.edu



SHOW YOUR SUPPORT TODAY!

Frequently Asked Questions

Q What is the Plant Growth Facility?

A The Plant Growth Facility is a cutting-edge center located at TFREC. It is designed to support advanced research in tree fruit by providing sophisticated environmental controls for year-round experimentation.

Q Why is the Plant Growth Facility important?

A This facility will significantly enhance our capacity to conduct complex experiments, tackle diseases such as fire blight, perform root health assessments, and cultivate pest-free plants, thereby ensuring the sustainability and growth of Washington's tree fruit sector.

Q How will the new facility benefit the tree fruit industry?

A The Plant Growth Facility will foster innovation, facilitate research on environmental stressors, improve disease management, attract top talent, and encourage long-term sustainability and collaboration within the industry.

Q How will the new facility benefit allied industries?

A The new Plant Growth Facility will drive innovation, collaboration, and technological advancement across allied industries by enhancing research capabilities, fostering sustainable practices, and supporting economic growth within the broader agricultural sector.

Q How much money needs to be raised?

A We are looking to raise \$4.2 million in private contributions to complete this project.