Bee like Dan!

2 p.m.
Friday, June 17, 2016

Lewis Alumni Center—Lawn
Grimes and Lincoln Road
Pullman, Washington

Join us and
#BeeLikeDan!

Join Dan Bernardo, Interim Washington State University president, and Eric Olson, Washington's largest honey bee keeper, and start the buzz for a new WSU Honey Bee and Pollinator Research Facility. Together Dan and Eric have pledged to match your support dollar-for-dollar up to $25,000, through June 30, 2016.

Come talk to beekeepers and researchers and watch this free, fascinating and informative bee activity, on the lawn of the WSU Lewis Alumni Center. You can #BeeLikeDan and help build a new home for the hives at WSU!

PROPOSED HONEY BEE + POLLINATOR RESEARCH FACILITY

SUPPORT THE FACILITY

VISIT THE WEBSITE

College of Agricultural, Human, and Natural Resource Sciences

HONEY BEE + POLLINATOR RESEARCH FACILITY

- WSU is raising money to build a 15,330 sq. ft. Honey Bee + Pollinator Research Facility.
- The total cost for the facility will be $16 million.
- The facility will be located adjacent to the Eggert Family Organic Farm on the Pullman campus.
- Research space of over 2,700 sq. ft. for diagnostic labs, a cryogenic germplasm repository, molecular lab, and controlled atmosphere rooms.
- The repository will include 'top-tier' genetics from U.S. and international queen breeders.
- The facility will offer controlled atmosphere capability for research where transformative wintering technology can be documented, with the potential to reduce U.S. honey bee winter losses from 30–40% to a more sustainable level (<10%).
- The facility will provide breeding stock to the beekeeping industry and assist with breeding improvement.
- The facility will include a screened observation area where the public can watch bees in demonstration gardens.
- Demonstration gardens and apiaries will promote understanding and teach the public about pollinator health.
- Scientists from around the country and the world will be able to visit and conduct research.
- Research at WSU includes work on honey bee genetics, reduction of wintering losses, and alternative varroa mite control, amongst other topics.
- Donations for the facility can be made online at: **https://secure.wsu.edu/give/default.aspx?fund=7593**

#BeeLikeDan

Bees at work!

LOBBY

HONEY BEE +
POLLINATOR
Research Facility

HUMMEL

AERIAL VIEW

HONEY BEE + POLLINATOR
Research Facility

HUMMEL

WSU
HONEY BEE +
POLLINATOR FACILITY

PURE WSU HONEY
www.bees.wsu.edu
Pullman, WA 99164
16 oz (1 lb) 454g

Bee HELPFUL

Support your local bees and other pollinators by planting these herbs.

Support the WSU Honey Bee + Pollinator Facility by donating online: www.bees.wsu.edu

Bee social: #WSUbees

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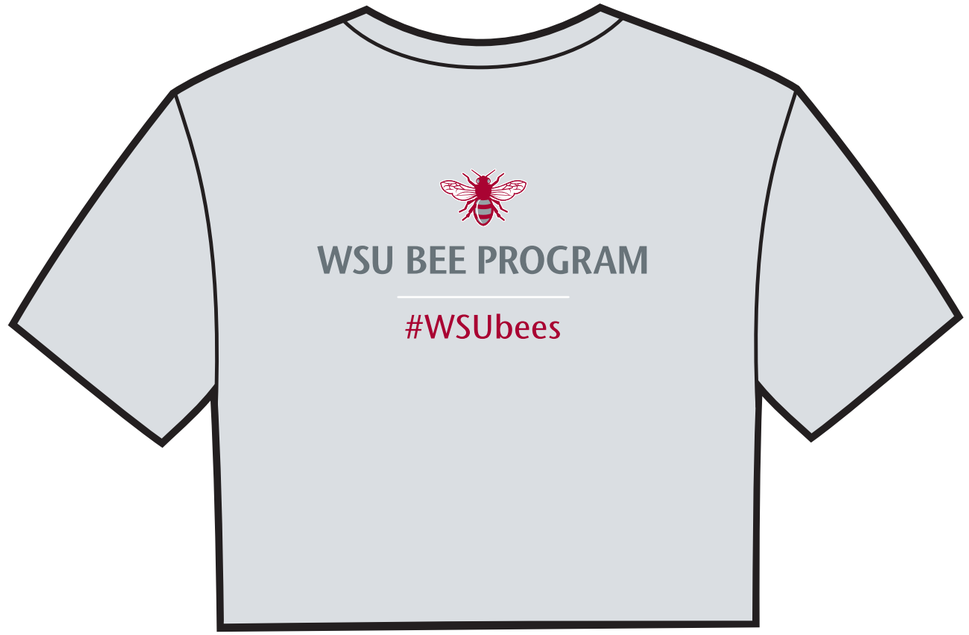
FRONT

Three colors:
- Crimson
- Grey
- White



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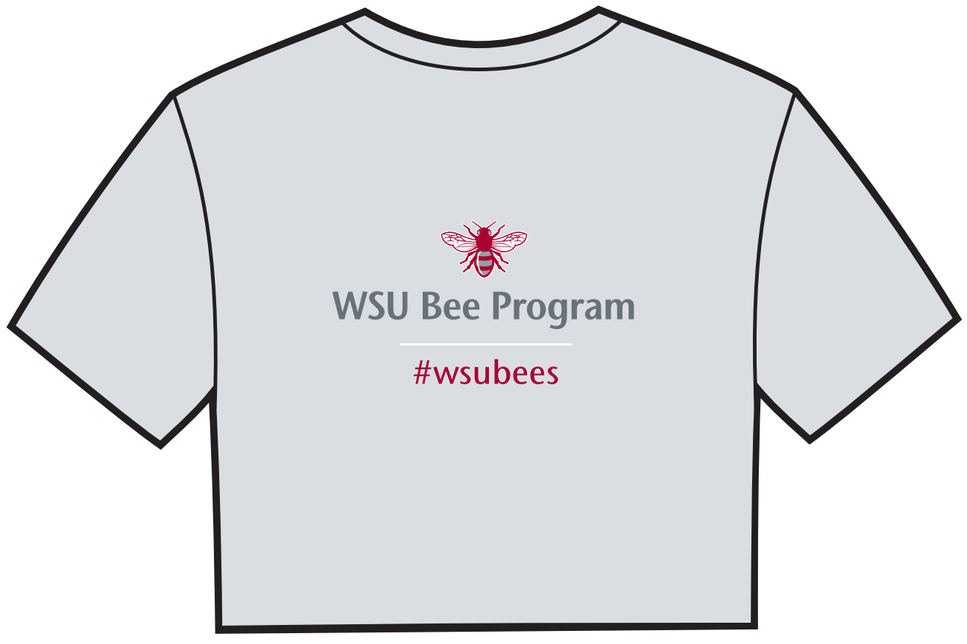

Back Option 6


WASHINGTON STATE
ALUMNI
BRANDON
Hopkins


SCOTT
Weybright


WASHINGTON STATE COUGARS


Bee Friendly Initiative
P.O. Box 7634
Olympia, WA 98507 USA
PAY TO THE ORDER OF
WSU Honey Bee Mushroom Research Fund $50,000.00
Fifty thousand and no/100
DOLLARS
Thank you for helping to give bees a chance!
MEMO
Paul, Dusty & the 'Fun-guys' & 'Fun-gals' at Host Defense
ALUMNI

WASHINGTON STATE UNIVERSITY

HONEY BEE+ POLLINATOR RESEARCH FACILITY

- GENETICS
- ALTERNATIVE SOLUTIONS
- SUSTAINABLE AGRICULTURE

Honey Bees and Pollinators

Honey bees and pollinators are integral to food production and our economy, as well as an essential part of our environment. Our farmers depend on healthy crops to make a living. Our economy depends on those farmers to feed people at home and around the world, and our ecosystem depends on everything working together.

Honey bees are the most economically valuable pollinator in agriculture—they pollinate over 100 crop varieties in the United States alone. Over the past two decades, honey bees and pollinators have been in decline. It is vital that research and outreach are supported to save bees and pollinators and to meet the long-term needs of sustainable agriculture and food security.

1/3
Portion of the human diet directly or indirectly linked to insect pollination.

7 out of 10
Ratio of crops pollinated by bees worldwide.

$18 billion
Estimated dollars honey bees support and contribute to the U.S. economy each year.

50%
Increase in agricultural use of pollinators by developed countries since 1960; 62% increase in the developing world.

Washington State University Honey Bee and Pollinator Research

Washington State University has a world class honey bee and pollinator research program that works with beekeepers, scientists, environmentalists, and everyday Americans to improve honey bee and pollinator health. WSU bee researchers are discovering solutions and developing innovations to address challenges that threaten the fragile balance of nature.

- **INTERNATIONAL GERMPLASM STORAGE CENTER:** WSU is the first university to implement cryopreservation methodology for the long-term storage of honey bee germplasm. Securing permits to import germplasm from bees around the world, WSU established the world's first honey bee genetic repository. This resource will improve honey bee breeding and protect valuable genetic material for future generations.

The Need for a Specialized RESEARCH FACILITY

WALKWAY

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WORLD CLASS FACILITY

Even as the WSU honey bee and pollinator program has grown, the laboratory and teaching facilities to support it have not kept pace. In June 2016, WSU kicked off a campaign to fund a new state-of-the-art facility to support vital teaching, research, and outreach in honey bee and pollinator science. This fundraising effort aims to strengthen and expand the program by building laboratories, classrooms, and habitat with a state-of-the-art building. The new WSU Honey Bee + Pollinator Research Facility will create greater opportunities for research with improved laboratories, increased hands-on training, and critical new habitat for honey bee and pollinator nutrition.

SOUTH EXTERIOR VIEW

Bee the Change!

WE NEED YOU

To continue to grow our program, we need a community to help fund this facility. Protecting honey bees and pollinators is dependent on much-needed funds. The time to get involved is now. Please consider contributing to the new WSU Honey Bee + Pollinator Research Facility. Your gift can make a difference.

WASHINGTON STATE UNIVERSITY

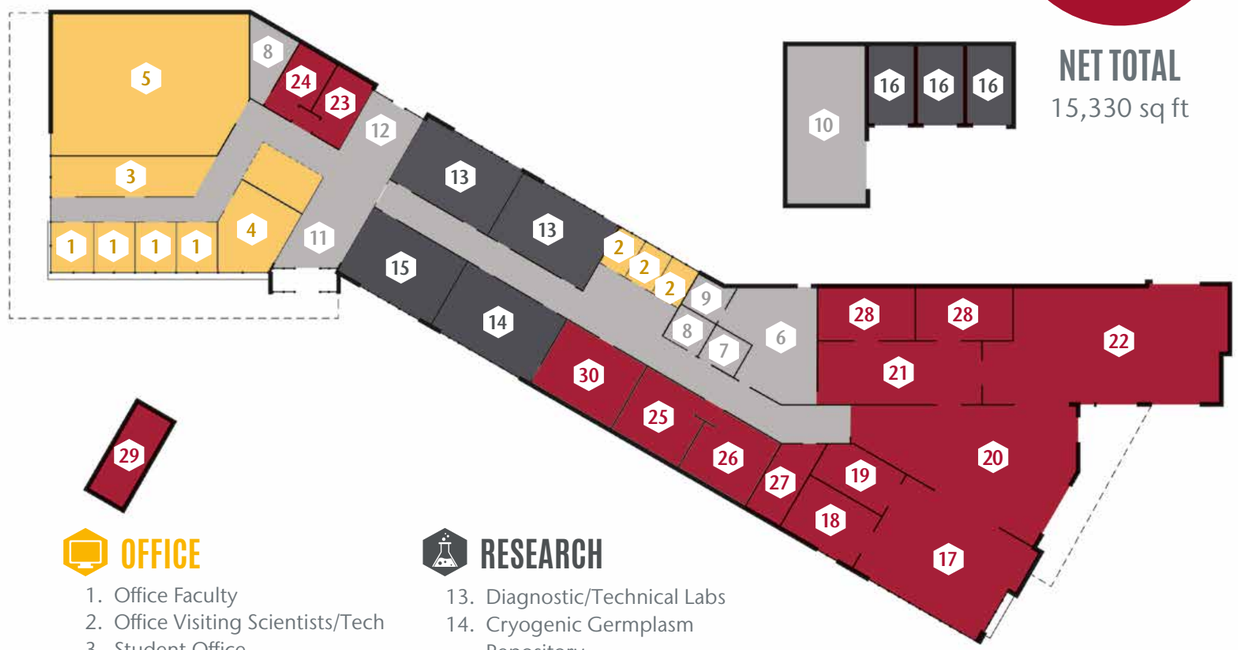
You can find out more about making a contribution by contacting Melissa Bean in the WSU College of Agricultural, Human, and Natural Resource Sciences, Office of Alumni & Development, at 509-335-0505 or melissa.bean@wsu.edu.

All donations, regardless of size, will help.
Building naming opportunities available.

HUMMEL
Architecture • Planning • Design
hummelarch.com

HONEY BEE + POLLINATOR RESEARCH FACILITY

WSU HONEY BEE + POLLINATOR RESEARCH FACILITY Floor Plan



NET TOTAL
15,330 sq ft

OFFICE

1. Office Faculty
2. Office Visiting Scientists/Tech
3. Student Office
4. Break Room/Kitchen
5. Classroom/Conference Room

RESEARCH

13. Diagnostic/Technical Labs
14. Cryogenic Germplasm Repository
15. Molecular Lab
16. Controlled Atmosphere Rooms

MECHANICAL & CORE

6. Mechanical
7. Data
8. Custodial
9. Electrical
10. Storage
11. Lobby
12. Public Education

SUPPORT

17. Extraction Room
18. Cold Room
19. Hot Room
20. Unloading Area
21. Wood and Fabrication Shop
22. Garage
23. Men's Restroom
24. Women's Restroom
25. Men's Locker
26. Women's Locker
27. Apiary Gear
28. Comb/Wood Storage
29. Observation
30. Instrumentation Room


OPEN OFFICE

LOBBY

EXTERIOR AERIAL

HONEY BEE & POLLINATOR RESEARCH

Washington State University has a world class honey bee and pollinator research program that works with beekeepers, scientists, environmentalists, and everyday Americans to improve honey bee and pollinator health. WSU bee researchers are discovering solutions and developing innovations to address challenges that threaten the fragile balance of nature.

International Germplasm Storage Center

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Reduction of Overwintering Losses

One of the many challenges beekeepers face is minimizing honey bee colony losses during the winter. Using a new climate-controlled storage process, WSU researchers are gathering data that shows stronger colonies result when bees overwinter in climate-controlled warehouses. This overwintering process may facilitate alternative control measures for the Varroa mite, a destructive pest of honey bees.

Alternative Solutions

WSU Researchers have teamed up with a variety of partners to develop new approaches to help save the honey bee. For example, WSU has partnered with well-known mycologist Paul Stamets to study the health benefits and antiviral properties of mycelium in fungi. Early results have shown mycelium extract increases the lifespan of honey bees and reduces virus levels in bee populations.

Preeminent Outreach

WSU, through its research and extension centers and county offices, has been working across the state of Washington in support of honey bees and pollinators and also to protect farms, their crops, and the communities they serve. In addition, WSU scientists provide applied research and training across the globe.

Commitment to Research

WSU has more than twenty researchers working on honey bees and pollinators in a variety of research areas. This research capacity and commitment position WSU as a leader to address honey bee and pollinator challenges and to find solutions.

Architectural renderings of the proposed facility.

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Learn more about contributing

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WSU CAHNRS Office of Alumni & Development
(509) 335-0505 • melissa.bean@wsu.edu

All donations of any size will help. Building naming opportunities available.