



# UNIVERSITY OF HAWAII SYSTEM

## Legislative Testimony

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Testimony Presented Before the  
House Committee on Finance  
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by  
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HB 2100, HD1 RELATING TO BEES

Chair Oshiro, Vice Chair Lee and Members of the Committee:

My name is Dr. Lorna Tsutsumi and I am a Professor of Entomology at the University of Hawai'i at Hilo, College of Agriculture, Forestry and Natural Resource Management. For over 20 years, UHH has offered the only credited catalogued beekeeping courses within the UH system. The two courses, beginning beekeeping and advanced beekeeping, provide UHH students with the opportunity to learn about honey bees and gain valuable hands-on experience in the maintenance and cultivation of honey bees.

Honey bees are responsible for the pollination of many important agricultural crops and their health and well-being is especially important as we strive to lessen our dependency on imports. There are several major pests of honey bees in Hawai'i such as the small hive beetle and the Varroa mite that are reducing colony numbers thus adversely affecting the beekeeping industry and crops that are dependent on honey bee pollination.

Recently, the University of Hawai'i at Hilo partnered with a local chef to promote honey bee awareness through a program, "Adopt a Beehive with Alan Wong". The program serves as a medium that bridges the public and private sector for a common good that generates resources for UHH beekeeping students and allows for public involvement through student communication and activities.

There are presently 25 bee hives at the UHH apiary located on the 110 acre Panaewa farm that are used for the hands-on beekeeping laboratories. The hives are assigned to students who learn manipulation skills and then send public "adopters" monthly updates on the status of their hives. In addition to these hives, the UHH farm has a one acre bee friendly educational garden, Mapuhonehone. The garden contains 1) a variety of plants that are used by honey bees and man, 2) plants that are tied into the history of beekeeping in Hawai'i, and 3) other requirements for honey bee needs such as water.

An additional need to complement the teaching apiary and the educational garden and advance honey bee awareness is another apiary that will be used primarily for research. The hives in this apiary will be used for applied research projects to develop control measures and devices to help maintain healthy honey bee colonies. An area on the UHH farm has already been designated for this apiary and this bill will provide moneys to support a functioning research apiary. Since the research will be conducted on the bee hives at the farm, researchers and students will have the opportunity to conduct meaningful, applicable experiments to improve honey bee wellness and productivity for Hawai'i.

Finally, we support this bill provided that its passage does not replace or adversely impact priorities as indicated in our Board of Regents approved supplemental budget.

Thank you for providing this opportunity to testify on HB 2100, HD1.