

JAN 26 2011

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## A BILL FOR AN ACT

MAKING AN APPROPRIATION FOR INVESTIGATION AND MITIGATION OF  
DAMAGE DONE BY THE COFFEE BERRY BORER.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1           SECTION 1. The legislature finds that the coffee berry  
2 borer, *Hypothenemus hampei*, is a small beetle native to Africa.  
3 It is recognized to be the most harmful pest to coffee crops  
4 worldwide, causing an estimated \$500,000,000 in losses annually.  
5 The coffee industry has an economic value exceeding  
6 \$70,000,000,000 each year, with over twenty million coffee-  
7 farming families producing coffee in more than fifty countries.  
8           The tiny, 1.5 millimeter coffee berry borer causes damage  
9 by boring and depositing eggs into the berry. Larvae hatch and  
10 feed on the seed or bean, destroying it. The beetle spends its  
11 entire larval life inside the coffee berry, which encases the  
12 seed, commonly known as the coffee bean. Males mate inside the  
13 berry with females, but never emerge. Only mated females emerge  
14 to fly to a new berry and bore into it to lay eggs and start the  
15 cycle anew. Only while outside the berry are the adult female  
16 borers vulnerable to predators or chemical controls.



1           The insect was native to Angola and spread to the rest of  
2 Africa during the 1920s. In 1926, they were first reported in  
3 the Americas in Brazil. The beetle spread to Guatemala and  
4 Mexico in the 1970s, Colombia in the late 1980s, and the  
5 Dominican Republic in the 1990s. In September, 2010, the beetle  
6 was discovered in Kona on the island of Hawaii.

7           The purpose of this Act is to appropriate funding from the  
8 agricultural development and food security special fund for  
9 investigation and mitigation of damage done by the coffee berry  
10 borer.

11           SECTION 2. There is appropriated out of the agricultural  
12 development and food security special fund established under  
13 section 141-10, Hawaii Revised Statutes, the sum of \$750,000 or  
14 so much thereof as may be necessary for fiscal year 2011-2012  
15 and the same sum or so much thereof as may be necessary for  
16 fiscal year 2012-2013 for investigation and mitigation of damage  
17 done by the coffee berry borer in the Kona region on the island  
18 of Hawaii as follows:

19           (1) \$           to fund investigative research by the  
20 college of tropical agriculture and human resources of  
21 the University of Hawaii, in collaboration with the  
22 United States Department of Agriculture's Pacific



1 Basin Agriculture Research Center in Hilo, to develop  
2 practical techniques for use to combat the effects of  
3 the coffee berry borer in the Kona region on the  
4 island of Hawaii;

5 (2) \$ to fund one position in the Kona office of  
6 the cooperative extension service of the college of  
7 tropical agriculture and human resources of the  
8 University of Hawaii, whose specific responsibility  
9 shall be to assist farmers to implement the coffee  
10 berry borer mitigation program described in paragraph  
11 (3);

12 (3) \$ to fund, for a minimum of three years, one  
13 temporary department of agriculture position to be  
14 filled by a professional entomologist with biological  
15 control experience, whose responsibility shall be to  
16 develop a coffee berry borer mitigation program  
17 applicable for the Kona region on the island of  
18 Hawaii;

19 (4) \$ to purchase and install equipment to  
20 identify and track areas of coffee berry borer  
21 infestation in the Kona region on the island of  
22 Hawaii;



1           (5) \$                   for the department of agriculture to obtain  
2                   contract services from research agencies to develop  
3                   and test coffee berry borer control and eradication  
4                   processes;

5           (6) \$                   to provide sanitation services to eliminate  
6                   coffee berry borer infestations on abandoned farms  
7                   that contain uncultivated coffee in the Kona region on  
8                   the island of Hawaii;

9           (7) \$                   to locate and establish a coffee berry  
10                   borer quarantine site with equipment and services to  
11                   fumigate or provide heat treatment of green coffee  
12                   beans for shipment from the island of Hawaii; and

13           (8) \$                   to fund travel and administrative expenses  
14                   necessary to support the operations of the coffee  
15                   berry borer task force.

16           The sums appropriated in paragraphs (1) and (2) shall be  
17           expended by the University of Hawaii for the purposes of this  
18           Act.

19           The sums appropriated in paragraphs (3) through (8) shall  
20           be expended by the department of agriculture for the purposes of  
21           this Act.



1 SECTION 3. The department of agriculture, in collaboration  
 2 with the coffee berry borer task force, shall submit a report to  
 3 the legislature no later than July 31, 2011. The report shall  
 4 document the expenditure of funds and the progress of activities  
 5 authorized by this Act.

6 SECTION 4. This Act shall take effect on July 1, 2011.  
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**Report Title:**

Coffee Berry Borer Mitigation Program; Kona; Appropriation

**Description:**

Appropriates funds in FY 2011-2012 and FY 2012-2013 to mitigate the effects of the coffee berry borer in the Kona region on the island of Hawaii. Requires DOA to submit a progress report to the legislature.

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

