
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.

7

INTRODUCED BY:

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[Signature]

JAN 26 2011



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.

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