

U.S. Dept. of Agriculture
Animal and Plant Health Inspection Service
Wildlife Services
National Wildlife Research Center
Hawaii Field Station
210 Amauulu Rd.
Hilo, Hawaii 96720

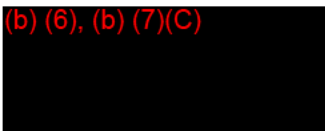
Re: APHIS Form 7023 Animal Report of Research Facility
Documentation of animals reported in Column E

QA-3075

All Polynesian rats (*Rattus exulans*) listed in Column E were used in laboratory feeding bioassays of commercial Brodifacum rodenticide baits. Bioassays with live animals are a common, standard and necessary method for determining the efficacy of rodenticides. We know of no other means of accomplishing this purpose. The use of sedatives, analgesics or antidotes would interfere with the objectives of the test and would invalidate the data. Polynesian rats listed in Column E either died during the test, showed some symptoms of rodenticide poisoning but recovered or were asymptomatic (appeared unaffected). All of surviving animals were euthanized at the end of the testing/observation period.

Polynesian rats listed in Column C were held in the laboratory and not used in any test (spares), died during the pre-test quarantine period or were used as controls (no exposure to toxic bait). Animals held as spares and control groups were later euthanized.

(b) (6), (b) (7)(C)



11/12/19

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Re: APHIS Form 7023 Animal Report of Research Facility
Documentation of animals reported in Column E

QA-2960

All house mice (*Mus musculus*) listed in Column E were used in laboratory feeding bioassays of commercial Brodifacum rodenticide baits. Bioassays with live animals are a common, standard and necessary method for determining the efficacy of rodenticides. We know of no other means of accomplishing this purpose. The use of sedatives, analgesics or antidotes would interfere with the objectives of the test and would invalidate the data. Mice listed in Column E either died during the test, showed some symptoms of rodenticide poisoning but recovered or were asymptomatic (appeared unaffected). All of surviving animals were euthanized at the end of the testing/observation period.

Mice listed in Column C were held in the laboratory and not used in any test (spares), died during the pre-test quarantine period or were used as controls (no exposure to toxic bait). Animals held as spares and control groups were later euthanized.

(b) (6), (b) (7)(C)

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11/17/19

25 NOV 2019