
A BILL FOR AN ACT

RELATING TO ORNAMENTAL GINGER.

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

1 SECTION 1. The legislature finds that *Alpinia purpurata*,
2 commonly known as ornamental ginger, is a popular plant that is
3 commonly used in tropical landscape designs. The plant's red
4 and pink floral brackets are often used as an ornamental flower
5 in floral arrangements seen everywhere across the State, from
6 Waikiki hotel lobbies to cemeteries. However, due to emerging
7 diseases, commercial production of ornamental ginger in the
8 State declined by forty-six per cent between 2014 and 2018; no
9 statistics are available after 2018. Producers in the affected
10 areas are clearing their lands, as they can no longer
11 economically produce ornamental ginger. Neighboring farmers and
12 off-island clientele are concerned about the spread of the
13 disease pathogens and have asked the department of agriculture
14 to quarantine the movement of plants from these areas.

15 The legislature further finds that flower producers have
16 brought their concerns about emerging diseases to the department
17 of agriculture, University of Hawaii college of tropical



1 agriculture and human resources, East Oahu County Farm Bureau,
2 and Hawaii Farm Bureau. In response, researchers and extension
3 agents at the college of tropical agriculture and human
4 resources conducted a statewide survey and causal agent
5 identification study. The study determined that a combination
6 of six viruses, including two viruses never before identified,
7 is the cause of the ornamental ginger's decline, with other
8 pathogens and ornamental ginger genetic variation as possible
9 contributing factors. The viruses are found statewide but are
10 most prevalent on Oahu and Hawaii island. Virus-infected plants
11 cannot be cured, and virus-infected plants are currently the
12 main plants being propagated for more plantings, thus worsening
13 the problem. Most large-scale operations have virus-infected
14 plants. Without additional research and a multi-agency
15 approach, these pathogens could spread further and impact the
16 profitability and long-term sustainability of the local
17 ornamental and landscape production industries.

18 The legislature additionally finds that, according to the
19 study conducted by the college of tropical agriculture and human
20 resources, the most effective solutions in the immediate term
21 are to produce virus-free plants for the industry to begin



1 propagating and to test methods of managing virus-infected
2 plants that are currently being grown. Recommended tasks are to
3 develop protocols for tissue culture of *Alpinia purpurata* and
4 its cultivars, produce virus-free plants in collaboration with
5 the Hawaii Agriculture Research Center for distribution to
6 statewide stakeholders, develop cultural management strategies
7 for managing virus-infected plants, and educate growers about
8 those management strategies and the importance of virus-free
9 plants.

10 The purpose of this Act is to appropriate funds to the
11 University of Hawaii for statewide research and prevention of
12 pathogens affecting ornamental ginger.

13 SECTION 2. There is appropriated out of the general
14 revenues of the State of Hawaii the sum of \$125,000 or so much
15 thereof as may be necessary for fiscal year 2023-2024 for
16 statewide research into ornamental ginger pathogens, prevention
17 of the spread of ornamental ginger pathogens, production and
18 distribution of pathogen-free ornamental ginger plants, and
19 outreach to ornamental ginger producers.

20 The sum appropriated shall be expended by the University of
21 Hawaii for the purposes of this Act.



1 SECTION 3. In accordance with section 9 of article VII of
2 the Hawaii State Constitution and sections 37-91 and 37-93,
3 Hawaii Revised Statutes, the legislature has determined that the
4 appropriations contained in H.B. No. 300, H.D. 1, S.D. 1,
5 C.D. 1, will cause the state general fund expenditure ceiling
6 for fiscal year 2023-2024 to be exceeded by \$1,063,767,367 or
7 10 per cent. In addition, the appropriations contained in this
8 Act will cause the general fund expenditure ceiling for fiscal
9 year 2023-2024 to be further exceeded by \$125,000 or 1 per cent.
10 The combined total amount of general fund appropriations
11 contained in only these two Acts will cause the state general
12 fund expenditure ceiling for fiscal year 2023-2024 to be
13 exceeded by \$1,063,892,367 or 11 per cent. The reasons for
14 exceeding the general fund expenditure ceiling are that:

- 15 (1) The appropriation made in this Act is necessary to
16 serve the public interest; and
- 17 (2) The appropriation made in this Act meets the needs
18 addressed by this Act.

19 SECTION 4. This Act shall take effect on July 1, 2023.



Report Title:

Ornamental Ginger; Pathogens; Research and Prevention; UH;
Appropriation; Expenditure Ceiling

Description:

Appropriates funds to the University of Hawaii for statewide research into ornamental ginger pathogens, prevention of the spread of ornamental ginger pathogens, production and distribution of pathogen-free ornamental ginger plants, and outreach to ornamental ginger producers. (CD1)

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