# **Small Business Regulatory Review Board Meeting**

May 30, 2023 10:00 a.m.



# SMALL BUSINESS REGULATORY REVIEW BOARD

Department of Business, Economic Development & Tourism (DBEDT) No. 1 Capitol District Building, 250 S. Hotel Street, Fifth Floor, Honolulu, HI 96813 Mailing Address: P.O. Box 2359, Honolulu, HI 96804 Email: dbedt.sbrrb.info@hawaii.gov Website: sbrrb.hawaii.gov Tel: 808 798-0737

Josh Green, M.D. Governor

James K. Tokioka DBEDT Director

## Members

Robert Cundiff Chairperson Oʻahu

Mary Albitz Vice Chairperson Maui

Jonathan Shick 2nd Vice Chairperson Oʻahu

Dr. Nancy Atmospera-Walch *Oʻahu* 

> William Lydgate Kaua'i

James (Kimo) Lee Hawai'i

Garth Yamanaka Hawai'i

Taryn Rodighiero Kaua'i

Sanford Morioka Oʻahu

Tessa Gomes *Oʻahu* 

Mark Ritchie for Director, DBEDT Voting Ex Officio

## AGENDA Tuesday, May 30, 2023 ★ 10:00 a.m. Leiopapa A Kamehameha Building – State Office Tower 235 S. Beretania Street, Conference Room 405 Honolulu, HI 96813

As authorized under Act 220, Session Laws of Hawaii 2021 and Chapter 92-3.7 Hawaii Revised Statutes (HRS), the public can participate in the meeting either:

A. By attending the in-person meeting at: Leiopapa A Kamehameha Building – State Office Tower 235 S. Beretania Street, Conference Room 405, Honolulu, HI 96813; or

**B.** Via Video-audio livestream or via Telephone - to join the Video-audio livestream meeting, go to:

https://us06web.zoom.us/j/88945374966?pwd=cDhqWEEzZGZHYmJLM05tMHU5Mm5HQT09

## C. To Join via Telephone: Dial 1-669-900-6833 with Meeting ID 883 5814 0200 Passcode 066739

When the Chairperson asks for public testimony during the meeting, you may indicate that you want to provide oral testimony by using the raise hand function or, if calling in by telephone, entering \* and 9 on your phone keypad. When recognized by the Chairperson, you will be unmuted. If calling in by phone, you can unmute and mute yourself by pressing \* and 6 on your keypad.

Members of the public may also submit written testimony via e-mail to: <u>DBEDT.sbrrb.info@hawaii.gov</u> or mailed to SBRRB, No. 1 Capitol District Building, 250 S. Hotel Street, Room 506A, Honolulu, HI 96813, or P.O. Box 2359, Honolulu, HI 96804. All written testimony should be received no later than 4:30 p.m., Friday, May 26, 2023.

Copies of the Board Packet will be available on-line for review at: <u>Agendas & Minutes</u> <u>– Small Business Regulatory Review Board (hawaii.gov)</u>. An electronic draft of the minutes for this meeting will also be made available at the same location when completed.

The Board may go into Executive Session under Section 92-5 (a)(4), HRS to Consult with the Board's Attorney on Questions and Issues Concerning the Board's Powers, Duties, Immunities, Privileges and Liabilities.

## I. Call to Order

II. Approval of April 20, 2023 Meeting Minutes

## III. New Business

- A. Discussion and Action on the Proposed Amendments to Hawaii Administrative Rules (HAR) Title 4 Chapter 71, Plant and Non-Domestic Animal Quarantine Non-Domestic Animal Import Rules, as follows, promulgated by Department of Agriculture (DoAG) – Discussion Leader – James Kimo Lee
  - a. Placement of the **Beetle Syphraea uberabensis** onto the List of Restricted Animals (Part A)
  - b. Placement of the **Southern House Mosquito Culex quinquefasciatus** onto the List of Restricted Animals (Part A)
  - c. Placement of the **Butterfly Euselasia chrysippe** onto the List of Restricted Animals (Part A)
- B. Discussion and Action on the Proposed Amendments to HAR Title 4 Chapter 72, Plant and Non-Domestic Animal Quarantine Plant Intrastate Rules, promulgated by DoAG – Discussion Leader – James Kimo Lee
- C. Discussion and Action on the Proposed Amendments to HAR Title 4
   Chapter 71A, Plant and Non-Domestic Animal Quarantine, Microorganism Import Rules, promulgated by DoAG – Discussion Leader – James Kimo Lee
- D. Discussion and Action on the Proposed Amendments to HAR Title 13 Chapter 95, Rules Regulating the Taking and Selling of Certain Marine Resources, promulgated by Department of Land and Natural Resources – Discussion Leader – Jonathan Shick

## IV. Legislative Matters

A. Update on Governor's Message Submitted for Consideration for the Gubernatorial Nomination of Jennifer Salisbury to the Small Business Regulatory Review Board for a term to expire June 30, 2027

## V. Administrative Matters

- A. Update on the Board's Upcoming Advocacy Activities and Programs in accordance with the Board's Powers under Section 201M-5, Hawaii Revised Statutes
  - 1. Board's Budget Request
  - 2. Presentations to Industry Associations
  - 3. Staff Small Business Outreach
  - 4. Director Letters and Meetings with State Agencies and Counties
- VI. Next Meeting: Thursday, June 15, 2023 at 10:00 a.m., held via Zoom and at Leiopapa A Kamehameha Building – State Office Tower, Conference Room 405, Honolulu, HI 96813

## VII. Adjournment

If you need an auxiliary aid/service or other accommodation due to a disability, contact Jet'aime Ariola at 808 587-0737 and jetaime.k.ariola@hawaii.gov as soon as possible, preferably at least three (3) working days prior to the meeting. Requests made as early as possible have a greater likelihood of being fulfilled.

Upon request, this notice is available in alternate/accessible formats.

# II. Approval of April 20, 2023 Meeting Minutes

# **Small Business Regulatory Review Board**

## MEETING MINUTES - DRAFT April 20, 2023

I. CALL TO ORDER: Chair Cundiff called the meeting to order at 10:03 a.m., with a quorum present.

## MEMBERS PRESENT:

- Robert Cundiff, Chair
- Mary Albitz, Vice Chair
- Jonathan Shick, 2<sup>nd</sup> Vice Chair
- Garth Yamanaka
- Dr. Nancy Atmospera-Walsh
- Sanford Morioka
- Mark Ritchie

## **ABSENT MEMBERS:**

- James (Kimo) Lee
- Taryn Rodighiero
- William Lydgate
- Tessa Gomes

STAFF: <u>DBEDT</u> Dane Wicker Dori Palcovich Jet'aime Ariola Office of the Attorney General Alison Kato

## II. APPROVAL OF March 14, 2023 MINUTES

Second Vice Chair Shick motioned to accept the March 14, 2023 meeting minutes, as presented. Mr. Ritchie seconded the motion, and the Board members unanimously agreed.

Mr. Dane Wicker, DBEDT's newly confirmed Deputy Director, was introduced to the board members. He provided a brief history and background of his past work experience with the State and his current small business.

Chair Cundiff thanked Deputy Director Wicker for his assistance with helping to provide funds from the State legislature for the Board's advertising and outreach for this coming fiscal year.

## III. LEGISLATIVE Matters

- A. Discussion and Update of the following legislative matters:
  - 1. <u>Governor's Message 654 Submitted for Consideration for the Gubernatorial</u> <u>Nomination of Sanford Morioka to the Small Business Regulatory Review</u> <u>Board for a term to expire June 30, 2027</u>

Chair Cundiff indicated that Mr. Morioka went to the committee hearing last week and was recommended for advise and consent. His nomination will now go to the full Senate for confirmation. Congratulations to Sanford! 2. <u>Governor's Message for Consideration for the Gubernatorial Nomination of</u> <u>Jennifer Salisbury to the Small Business Regulatory Review Board for a term</u> <u>to expire June 30, 2027</u>

There is currently no update on Ms. Salisbury's nomination to this Board; her nomination has yet to be submitted for confirmation. DBEDT staff will follow-up with the Senate President's Office.

 Senate Bill 1196 SD1 HD1, Relating to Boards and Commissions – Clarifies that the authorization for board and commission holdover members to continue in office until a successor is nominated and appointed, but not beyond the end of the second regular legislative session following the expiration of the member's term of office, takes precedence over all conflicting statues concerning holdover members

Chair Cundiff indicated that this bill is for the member's information only. Mr. Yamanaka's membership is being considered for holdover.

Deputy Attorney General Kato does not believe Senate Bill 1196 will have an effect on this Board. This measure essentially clarifies precedence when there is a conflict with another outside statute.

## IV. ADMINISTRATIVE MATTERS

- A. <u>Updates on the Board's Upcoming Advocacy Activities and Programs in</u> <u>accordance with the Board's Powers under Section 201M-5, Hawaii Revised</u> <u>Statutes</u>
  - 1. Board's Budget Request

Chair Cundiff stated that, with the support of staff and Deputy Director Wicker, this Board received \$57,306 in funding for fiscal year 2024 from the State legislature, specifically for outreach and advertising. This is in addition to the \$20,000 this Board receives on an annual basis for operational expenses.

DBEDT will be contracting with a third-party public relations firm to assist with outreach efforts for this Board and some of DBEDT's other attached agencies and divisions. The funds will also be utilized for assisting with having neighbor island board meeting(s).

2. Presentations to Industry Associations

The following presentations were recently conducted:

- Maui Economic Development Board March 7<sup>th</sup> by Vice Chair Albitz and Jet'aime Ariola
- Maui Liquor Commission March 16<sup>th</sup> by Vice Chair Albitz
- Maui Chamber of Commerce Radio Show March 28<sup>th</sup> Vice Chair Albitz

Chair Cundiff and Mr. Yamanaka will be presenting on behalf of this Board to the Hilo Japanese Chamber of Commerce on June 21<sup>st</sup>.

Second Vice Chair Shick will inquire into the Hawaii Chamber of Commerce as to when this Board can be scheduled to do a presentation. DBEDT staff will follow-up with telephone calls to the letters that were recently sent to trade and industry associations.

3. <u>Staff's Small Business Outreach</u>

Ms. Ariola has done small business outreach for the past several weeks. While her concentration was mainly to retail, service companies and restaurants, she is interested in expanding and broadening her scope with other industries and businesses such as agriculture. Recently, she visited an agricultural company, Mari's Gardens, located in Mililani.

4. Director Letters and Meetings with State Agencies and Counties

An updated listing from the Governor's office of all the confirmed State department directors was recently requested. To date, four letters from this Board were sent out to known confirmed directors. As confirmations come in, letters will be sent out with copies to the Board's discussion leaders.

- V. NEXT MEETING Thursday, May 18, 2023 at 10:00 a.m. in conference room 405 at Leiopapa A Kamehameha Building – State Office Tower – 235 Beretania Street, Honolulu, HI 96813.
- **VI. ADJOURNMENT** Vice Chair Albitz motioned to adjourn the meeting and Dr. Atmospera-Walch seconded the motion; the meeting adjourned at 10:32 a.m.

# **III. NEW BUSINESS**

- A. Discussion and Action on the Proposed Amendments to HAR Title 4 Chapter 71, Plant and Non-Domestic Animal Quarantine Non-Domestic Animal Import Rules, as follows, promulgated by DoAg
  - a. Placement of the **Beetle Syphraea uberabensis** onto the List of Restricted Animals (Part A)
  - b. Placement of the **Southern House Mosquito Culex quinquefasciatus** onto the List of Restricted Animals (Part A)
  - c. Placement of the **Butterfly Euselasia chrysippe** onto the List of Restricted Animals (Part A)

PRE-PUBLIC HEARING SMALL BUSINESS IMPACT STATEMENT

TO THE

## SMALL BUSINESS REGULATORY REVIEW BOARD

(Hawaii Revised Statutes §201M-2)

	Date:
Depa	rtment or Agency:
Admir	nistrative Rule Title and Chapter:
	ter Name:
	act Person/Title:
E-mai	il: Phone:
A.	To assist the SBRRB in complying with the meeting notice requirement in HRS §92-7, please attach a statement of the topic of the proposed rules or a general description of the subjects involved.
В.	Are the draft rules available for viewing in person and on the Lieutenant Governor's Website pursuant to HRS §92-7?
	If "Yes," provide details:
	I. Rule Description:
	II. Will the proposed rule(s) affect small business? Yes No (If "No," no need to submit this form.)
	* "Affect small business" is defined as "any potential or actual requirement imposed upon a small business that will cause a direct and significant economic burden upon a small business, or is directly related to the formation, operation, or expansion of a small business." HRS §201M-1
	* "Small business" is defined as a "for-profit corporation, limited liability company, partnership, limited partnership, sole proprietorship, or other legal entity that: (1) Is domiciled and authorized to do business in Hawaii; (2) Is independently owned and operated; and (3) Employs fewer than one hundred full-time or part- time employees in Hawaii." HRS §201M-1
	III. Is the proposed rule being adopted to implement a statute or ordinance that does not require the agency to interpret or describe the requirements of the statute or ordinance? Yes No (If "Yes" no need to submit this form. E.g., a federally-mandated regulation that does not afford the agency the discretion to consider less restrictive alternatives. HRS §201M-2(d))
	IV. Is the proposed rule being adopted pursuant to emergency rulemaking? (HRS §201M-2(a)) Yes No (If "Yes" no need to submit this form.)
	* * *

# If the proposed rule affects small business and are not exempt as noted above, please provide a reasonable determination of the following:

- 1. Description of the small businesses that will be required to comply with the proposed rules and how they may be adversely affected.
- 2. In dollar amounts, the increase in the level of direct costs such as fees or fines, and indirect costs such as reporting, recordkeeping, equipment, construction, labor, professional services, revenue loss, or other costs associated with compliance.

If the proposed rule imposes a new or increased fee or fine:

- a. Amount of the current fee or fine and the last time it was increased.
- b. Amount of the proposed fee or fine and the percentage increase.
- c. Reason for the new or increased fee or fine.
- d. Criteria or methodology used to determine the amount of the fee or fine (i.e., Consumer Price Index, Inflation rate, etc.).
- 3. The probable monetary costs and benefits to the agency or other agencies directly affected, including the estimated total amount the agency expects to collect from any additionally imposed fees and the manner in which the moneys will be used.

4. The methods the agency considered or used to reduce the impact on small business such as consolidation, simplification, differing compliance or reporting requirements, less stringent deadlines, modification of the fines schedule, performance rather than design standards, exemption, or other mitigating techniques.

5. The availability and practicability of less restrictive alternatives that could be implemented in lieu of the proposed rules.

6. Consideration of creative, innovative, or flexible methods of compliance for small businesses. The businesses that will be directly affected by, bear the costs of, or directly benefit from the proposed rules.

7. How the agency involved small business in the development of the proposed rules.

a. If there were any recommendations made by small business, were the recommendations incorporated into the proposed rule? If yes, explain. If no, why not.

8. Whether the proposed rules include provisions that are more stringent than those mandated by any comparable or related federal, state, or county standards, with an explanation of the reason for imposing the more stringent standard.

If yes, please provide information comparing the costs and benefits of the proposed rules to the costs and benefits of the comparable federal, state, or county law, including the following:

- a. Description of the public purposes to be served by the proposed rule.
- b. The text of the related federal, state, or county law, including information about the purposes and applicability of the law.
- c. A comparison between the proposed rule and the related federal, state, or county law, including a comparison of their purposes, application, and administration.
- d. A comparison of the monetary costs and benefits of the proposed rule with the costs and benefits of imposing or deferring to the related federal, state, or county law, as well as a description of the manner in which any additional fees from the proposed rule will be used.
- e. A comparison of the adverse effects on small business imposed by the proposed rule with the adverse effects of the related federal, state, or county law.

## Chapter 4-71, Hawaii Administrative Rule Amendments

Board of Agriculture Approved: October 11, 2022

Subject: (1) Placement of the Beetle *Syphraea uberabensis* onto the List of Restricted Animals (Part A) in Chapter 4-71, HAR; (2) Allowing the Import and Release of the Beetle *Syphraea uberabensis* For Biocontrol of the Invasive Weed *Tibouchina herbacea*; and (3) Proceed with a Public Hearing in Connection with the Proposed Amendment to Chapter 4-71, HAR.

At its meeting on October 11, 2022, the Hawaii Board of Agriculture's (Board) decision to allow the importation of the beetle *Syphraea uberabensis* for biocontrol of the invasive weed *Tibouchina herbacea* was based on the potential risk to the ecological health and safety of Hawaii's native plant species. At this same meeting, the Board also voted to place *Syphraea uberabensis* the List of Restricted Animals Part A in order to allow its import for biocontrol of *Tibouchina herbacea*.

Specific amendment to Chapter 4-71, HAR, is as follows:

1. <u>Section 4-71-6.5, Permitted Introductions</u>

adds this insect *Syphraea uberabensis* to the List of Restricted Animals (Part A) to allow its import as biocontrol of *Tibouchina herbacea*.

## Chapter 4-71, Hawaii Administrative Rule Amendments

Board of Agriculture Approved: June 9, 2022

Subject: (1) Placement of the Southern House Mosquito, Culex quinquefasciatus, onto the List of Restricted Animals (Part A) in Chapter 4-71, HAR; (2) Allowing the Import and Release of the Southern House Mosquito, Culex quinquefasciatus, For an Incompatible Breeding Program to Protect Native Forest Birds; and (3) Proceed with a Public Hearing in Connection with the Proposed Amendment to Chapter 4-71, HAR.

At its meeting on June 9, 2022, the Hawaii Board of Agriculture's (Board) decision to allow the importation and release of only male Southern House Mosquitos, *Culex quinquefasciatus*, for an incompatible breeding program to protect Hawaii's native forest birds was based on the potential risk to the ecological health and safety of Hawaii's native bird species, some of which are predicted to become extinct within the next 5-10 years. This program would utilize a practice called the Incompatible Insect Technique (IIT) where a different strain of a bacteria found in many insects worldwide, called *Wolbachia*, would be introduced into male mosquitos that would be shipped to Hawaii and released. When mosquitos having different strains of the Wolbachia bacteria mate with each other, they cannot produce viable offspring.

The mosquitos and the Wolbachia bacteria are not genetically modified and only male *Culex quinquefasciatus* mosquitos will be shipped to Hawaii for release. Male mosquitos do not bite. The Wolbachia bacteria cannot infect humans.

At this same meeting, the Board also voted to place *Culex quinquefasciatus* on the List of Restricted Animals Part A in order to allow its import for control of Culex quinquefasciatus populations in Hawaii.

Specific amendment to Chapter 4-71, HAR, is as follows:

1. <u>Section 4-71-6.5, Permitted Introductions</u>

adds this insect *Culex quinquefasciatus* to the List of Restricted Animals (Part A) to allow its import as a sexually incompatible strain to help control current Culex quinquefasciatus populations in Hawaii in order to protect native forest bird species.

## Chapter 4-71, Hawaii Administrative Rule Amendments

Board of Agriculture Approved: October 11, 2022

Subject: (1) Placement of the Butterfly *Euselasia chrysippe* onto the List of Restricted Animals (Part A) in Chapter 4-71, HAR; (2) Allowing the Import and Release of the Butterfly *Euselasia chrysippe* For Biocontrol of the Invasive Weed *Miconia calvescens*; and (3) Proceed with a Public Hearing in Connection with the Proposed Amendment to Chapter 4-71, HAR.

At its meeting on October 11, 2022, the Hawaii Board of Agriculture's (Board) decision to allow the importation of the butterfly *Euselasia chrysippe* for biocontrol of the invasive weed *Miconia calvescens* was based on the potential risk to the ecological health and safety of Hawaii's native plant species. At this same meeting, the Board also voted to place *Miconia calvescens* on the List of Restricted Animals Part A in order to allow its import for biocontrol of *Miconia calvescens*.

Specific amendment to Chapter 4-71, HAR, is as follows:

1. <u>Section 4-71-6.5, Permitted Introductions</u>

adds the insect *Euselasia chrysippe* to the List of Restricted Animals (Part A) to allow its import as biocontrol of *Miconia calvescens*.

\$4-71-6.5

LIST OF RESTRICTED ANIMALS

## APRIL 23, 2019

PART A: FOR RESEARCH AND EXHIBITION

SCIENTIFIC NAME

#### COMMON NAME

## INVERTEBRATES

PHYLUM Annelida CLASS Hirudinea ORDER Gnathobdellida FAMILY Hirudinidae Hirudo medicinalis

leech, medicinal

ORDER Rhynchobdellae FAMILY Glossiphoniidae <u>Helobdella</u> <u>triserialis</u> leech, small snail

CLASS Oligochaeta ORDER Haplotaxida FAMILY Euchytraeidae Enchytraeidae (all species in family)

FAMILY Eudrilidae Helodrilus foetidus

earthworm

worm, white

FAMILY LumbricidaeLumbricusterrestrisearthwormAllophora(all species in genus)earthworm

CLASS Polychaeta ORDER Phyllodocida FAMILY Nereidae <u>Nereis japonica</u> lugworm

## SCIENTIFIC NAME

PHYLUM Arthropoda CLASS Arachnida ORDER Acari FAMILY Phytoseiidae Iphiseius degenerans Mesoseiulus longipes Mesoseiulus macropilis Neoseiulus californicus Neoseiulus longispinosus Typhlodromus occidentalis

FAMILY Tetranychidae Tetranychus lintearius predator, spider mite mite, western predatory

COMMON NAME

biocontrol agent, gorse

CLASS Crustacea ORDER Amphipoda FAMILY Hyalidae Parhyale hawaiensis

ORDER Anomura			
FAMILY 1	Porcellanidae		
Petrolisthes	cabrolloi		
Petrolisthes	cinctipes		
Petrolisthes	elongatus		
Petrolisthes	eriomerus		
Petrolisthes	gracilis		
Petrolisthes	granulosus		
Petrolisthes	japonicus		
Petrolisthes	laevigatus		
Petrolisthes	manimaculis		
Petrolisthes	tuberculatus		
Petrolisthes	violaceus		

ORDER Cladocera FAMILY Daphnidae Ceriodaphnia dubia

ORDER Mysidacea FAMILYMysidae Mysidopsis bahia amphipod, marine

crab, porcelain crab, porcelain

flea, water

shrimp, mysid

## \$4-71-6.5

## SCIENTIFIC NAME

CLASS Insecta ORDER Coleoptera FAMILY Apionidae Apion scutellare

FAMILY Buprestidae Lius poseidon

FAMILY Chrysomelidae Chlamisus gibbosa

Syphraea uberabensis

FAMILY Coccinellidae Delphastus pusillus

Hippodamia convergens Nephaspis oculatus

Nephaspis bicolor

Stethorus nigripes Stethorus picipes

FAMILY Curculionidae Acythopeus sp. 1

Acythopeus sp. 2

Acythopeus sp. 3

Auletobius convexifrons

Gymnaetron tetrum

FAMILY Scarabaeidae Euoniticellus intermedius Onitis vanderkelleni

ORDER Diptera FAMILY Chamaemyiidae Leucopis (all species in subgenus) predator

COMMON NAME

biocontrol agent, gorse

biocontrol agent, clidemia

biocontrol agent, Blackberry biocontrol agent, Tibouchina herbacea

predator, spiraling whitefly beetle, convergent lady predator, spiraling whitefly predator, spiraling whitefly predator, spider mites predator, spider mites

biocontrol agent, ivy qourd biocontrol agent, ivy qourd biocontrol agent, ivy gourd biocontrol agent, firetree biocontrol agent, common mullein

predator, hornfly predator, horn fly

## \$4-71-6.5

## SCIENTIFIC NAME

## FAMILY Culicidae Culex quinquefasciatus

FAMILY Drosophilidae Drosophila (all species in genus) Zapriothrica sp.

FAMILY Lonchaeidae Dasiops curubae

FAMILY Muscidae Musca domestica

FAMILY Tephritidae <u>Ceratitus</u> <u>capitata</u> Urophora stylata

ORDER Heteroptera FAMILY Anthocoridae Orius tristicolor

ORDER Homoptera FAMILY Eriococcidae Tectococcus ovatus

ORDER Hymenoptera FAMILY Aphelinidae <u>Aphelinus</u> (all species in genus) <u>Cales noacki</u>

Encarsia formosa

Encarsia guadeloupae

Encarsia ?haitiensis

Encarsia lutea

Encarsia mineoi

## COMMON NAME

mosquito, southern house

flies, pomace biocontrol agent, banana poka

biocontrol agent, banana
 poka

house fly

fly, Mediterranean fruit
biocontrol agent, bull
thistle

bug, minute pirate

biocontrol agent,
 strawberry guava

parasite, aphid parasite, woolly whitefly parasite, greenhouse whitefly parasite, spiraling whitefly parasite, spiraling whitefly parasite, sweetpotato whitefly parasite, sweetpotato whitefly

\$4-71-6.5

SCIENTIFIC NAME	COMMON NAME
Encarsia pergandiella	parasite, greenhouse whitefly
<u>Mesidia</u> (all species in genus)	parasite, aphid
Mesidiopsis (all species in genus)	parasite, aphid
Protaphelinus (all species	parasite, aphid
in genus)	
FAMILY Aphidiidae	
Aphidiidae (all species in	parasite, aphid
family)	
FAMILY Bethylidae	
<u>Cephalonomia</u> <u>stefanoderis</u>	parasite, tropical nut
(lab-reared strains)	borer
Prorops nasuta	parasite, tropical nut
(lab-reared strains)	borer
FAMILY Braconidae	
Apanteles gelechiidivorus	parasite, tomato pinworm
Apanteles scutellaris	parasite, tomato pinworm
Diachasmimorpha tryoni	wasp, parasitic
<u>Fopius</u> <u>ceratitivorus</u>	biocontrol agent,
	Mediterranean fruit fly
Heterospilus coffeicola	parasite, tropical nut
(lab-reared strains)	borer
<u>Opius</u> <u>dissitus</u>	parasite, leafminer
<u>Opius</u> <u>dimidiatus</u>	parasite, leafminer
Orgilus elasmopalpi	parasite, lesser
	cornstalk borer
Parahormius pallidipes	parasite, tomato pinworm
Pseudapanteles dignus	parasite, tomato pinworm
<u>Psytallia</u> <u>insignipennis</u>	parasite, Medfly
TAMILY Company de s	
FAMILY Cynipidae	noussite lesfminer
<u>Ganaspidium</u> <u>utilis</u>	parasite, leafminer
FAMILY Encyrtidae	
Copidosoma truncatellum	parasite, green garden
	looper
Psyllaephagus yaseeni	parasite, leucaena
rsyllaephagus yaseeni	psyllid
Zeteticontus utilis	parasite, souring
	beetles
FAMILY Eulophidae	
Chrysocharis oscinidis	parasite, leafminer
	Paradree, rearminer

#### SCIENTIFIC NAME

Chrysonotomyia punctiventris Diaulinopsis callichroma Diglyphus begini Horismenus elineatus

Pediobius acantha Phymasticus coffea (lab-reared strains) Sympiesis stigmatipennis Tetrastichus brontispae

FAMILY Ichneumonidae Diadegma aemiclausum

Diadegma collaris

FAMILY Platygasteridae Amitas ?spiniferus

FAMILY Pteromalidae Halticoptera patellana

FAMILY Tenthredinidae Priophorus morio

ORDER Isoptera FAMILY Rhinotermitidae Coptotermes formosanus

ORDER Lepidoptera FAMILY Carposinidae Carposinia bullata

FAMILY Coleophoridae Coleophora klimeschiella

Coleophora parthenica

## COMMON NAME

parasite, leafminer parasite, leafminer parasite, leafminer parasite, lesser cornstalk borer parasite, leafminer parasite, tropical nut borer parasite, tomato pinworm parasite, blue coconut leaf beetle

parasite, diamondback moth parasite, diamondback moth

parasite, woolly
whitefly

parasite, leafminer

biocontrol agent, blackberry

termite, Formosan subterranean

biocontrol agent, Koster's curse

biocontrol agent, Russian thistle biocontrol agent, Russian thistle

## SCIENTIFIC NAME

FAMILY Crambidae Pyrausta perelegans

FAMILY Dioptidae Josia <u>ligata</u>

Josia fluonia

FAMILY Gracillariidae Caloptilia schinella

Phyllonorycter myricae

FAMILY Momphidae Mompha trithalama

FAMILY Noctuidae Antiblemma acclinalis

Cucullia verbasci

FAMILY Notodontidae Cyanotricha necyria

FAMILY Oecophoridae Agonopterix utlicetella

FAMILY Pyralidae Ephestia kuehniella

Galleria mellonella Pempelia genistella

FAMILY Riodinidae Euselasia chrysippe

FAMILY Scythrididae Scythris gallicella

FAMILY Sesiidae

## COMMON NAME

biocontrol agent, banana
poka

biocontrol agent, banana
 poka
 biocontrol agent, banana
 poka

biocontrol agent, firetree biocontrol agent, firetree

biocontrol agent, Koster's curse

biocontrol agent, Koster's curse biocontrol agent, common mullein

biocontrol agent, banana
poka

biocontrol agent, gorse

moth, Mediterranean
 flour
moth, greater wax
biocontrol agent, gorse

biocontrol agent, miconia

biocontrol agent, gorse

\$4-71-6.5

SCIENTIFIC NAME

Melittia oedipus

Pennisetia marginata

FAMILY Tortricidae Cryptophlebia ombrodelta COMMON NAME

biocontrol agent, ivy qourd biocontrol agent, blackberry

moth, litchi fruit

ORDER Thysanoptera FAMILY Thripidae Scolothrips sexmaculatus thrips, sixspotted Sericothrips staphylinus

CLASS Crustacea ORDER Decapoda FAMILY Alpheidae Athanas (all species in genus) shrimp, anemone

FAMILY Cambaridae Cambarus (all species in genus) crayfish

FAMILY Coenobitidae Birgus latro Coenobita brevimanus Coenobita perlatus

FAMILY Gecarcinidae Cardisoma carnifex Cardisoma guanhumi Gecarcoides lalandii

FAMILY Hippolytidae Thor amoinessis Thor paschalis

FAMILY Majidae Mithrax spinosissimus

FAMILY Ocypodidae Uca (all species in genus) crab, fiddler

biocontrol agent, gorse

crab, coconut crab, hermit crab, hermit

crab, land crab, great land crab, land

shrimp, anemone shrimp, anemone

crab, herbivorous; spider, spiny

## SCIENTIFIC NAME

#### COMMON NAME

Palaemonidae			
brevicarpalis		shrimp,	anemone
longirostris		shrimp,	anemone
ornatus		shrimp,	
<u>paraornatus</u>		shrimp,	anemone
tunipes		shrimp,	anemone
	brevicarpalis longirostris ornatus paraornatus	brevicarpalis longirostris ornatus paraornatus	brevicarpalisshrimp,longirostrisshrimp,ornatusshrimp,paraornatusshrimp,

CLASS Merostomata ORDER Xiphosura FAMILY Limulidae Limulus polyphemus

crab, horseshoe

anemone, sea

anemone, sea

anemone, sea

anemone, starlet sea

PHYLUM Chordata CLASS Ascidiacea ORDER Aplousobranchia FAMILY Didemnidae Lissoclinum patellum

tunicates (sea squirts)

PHYLUM Cnidaria
CLASS Anthozoa
ORDER Actinaria
FAMILY Actiniidae
Actiniidae (all species in family)

FAMILY Edwardsiidae Nematostella vectensis

FAMILY Stichodactylidae Stichodactylidae (all species in family)

FAMILY Thalassianthidae Thalassianthidae (all species in family)

ORDER Alcyonacea FAMILY Acanthogorgiidae Acanthogorgiidae (all species gorgonian in family)

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## SCIENTIFIC NAME

#### COMMON NAME

FAMILY Alcyoniidae Alcyoniidae (all species in family, coral, leather except Sarcophyton ehrenbergi, S. glaucum, S. trocheliophorum) FAMILY Asterospiculariidae Asterospiculariidae (all species coral, leather in family) FAMILY Briareidae Briareidae (all species in family) gorgonian FAMILY Clavulariidae Clavulariidae (all species polyp, star in family) FAMILY Cornulariidae Cornulariidae (all species polyp, star in family) FAMILY Ellisellidae Ellisellidae (all species in family) gorgonian FAMILY Gorgoniidae Gorgoniidae (all species in family) gorgonian FAMILY Isidadae Isidadae (all species in family) gorgonian FAMILY Melithaeidae Melithaeidae (all species in family) gorgonian FAMILY Nephtheidae Nephtheidae (all species in family) coral, tree FAMILY Nidaliidae Nidaliidae (all species in family) coral, tree FAMILY Paralcyoniidae Paralcyoniidae (all species coral, Christmas tree in family) FAMILY Subergordiidae Subergordiidae (all species gorgonian in family)

\$4-71-6.5

#### SCIENTIFIC NAME

#### COMMON NAME

FAMILY Tubiporidae Tubiporidae (all species in family) coral, red pipe organ

FAMILY Xeniidae Xeniidae (all species in family) coral, pulse

ORDER Antipatharia Antipatharia (all species in order) coral, black and whip

ORDER Ceriantharia Ceriantharia (all species in order) anemone, tube

ORDER Corallimorpharia FAMILY Discosomatidae Discosomatidae (all species anemone, mushroom in family)

FAMILY Ricordeidae Ricordeidae (all species in family) anemone, mushroom

ORDER Helioporacea FAMILY Helioporidae Heliopora coerula coral, blue

ORDER Pennatulacea Pennatulacea (all species in order) sea pen

ORDER Scleractinia FAMILY Acroporidae Acroporidae (all species in family, coral, staghorn except <u>Acropora aspersa</u>, <u>A. austera, A. elseyi, A. formosa</u>, <u>A. microphthalma, A. nana</u>) FAMILY Agariciidae

Agariciidae (all species in family) coral FAMILY Astrocoeniidae Astrocoeniidae (all species coral in family)

§4-71-6.5

SCIENTIFIC NAME	COMMON NAME
FAMILY Caryophylliidae Caryophylliidae (all species in family)	coral
FAMILY Dendrophylliidae Dendrophylliidae (all species in family)	coral
FAMILY Faviidae Faviidae (all species in family)	coral
FAMILY Fungiidae Fungiidae (all species in family)	coral, mushroom
FAMILY Merulinidae Merulinidae (all species in family)	coral
FAMILY Mussidae Mussidae (all species in family)	coral
FAMILY Oculinidae Oculinidae (all species in family)	coral
FAMILY Pectiniidae Pectiniidae (all species in family)	coral
FAMILY Pocilloporidae Pocilloporidae (all species in family)	coral
FAMILY Poritidae Poritidae (all species in family)	coral
FAMILY Siderastreidae Siderastreidae (all species in family)	coral
FAMILY Trachyphylliidae Trachyphylliidae (all species in family)	coral
ORDER Zoantharia FAMILY Epizoanthidae Epizoanthidae (all species in family)	polyp, button

\$4-71-6.5

SCIENTIFIC NAME	COMMON NAME
FAMILY Parazoanthidae Parazoanthidae (all species in family)	polyp, button
FAMILY Zoanthidae Zoanthidae (all species in family)	polyp, button
CLASS Hydrozoa ORDER Hydroidea FAMILY Stylasteridae Stylasteridae (all species in family)	coral, lace
CLASS Scyphozoa ORDER Rhizostomeae Rhizostomeae (all species in order)	jellyfish
ORDER Semaeostomeae Semaeostomeae (all species in order)	jellyfish
PHYLUM Echinodermata CLASS Crinoidea Crinoidea (all species in class)	crinoid
CLASS Echinoidea Echinoidea (all species in class)	echinoderm
PHYLUM Echiuroida CLASS Echiura ORDER Xenopneusta FAMILY Urechidae	

Urechis caupo

worm, innkeeper

\$4-71-6.5

SCIENTIFIC NAME	COMMON NAME
PHYLUM Mollusca CLASS Bivalvia ORDER Arcoida FAMILY Arcidae	
<u>Anadara</u> <u>maculosa</u>	clam, Fiji
ORDER Veneroida FAMILY Veneridae <u>Gafarium tumidum</u>	clam, Fiji
CLASS Cephalopoda ORDER Nautilida FAMILY Nautilidae <u>Nautilus belauensis</u> <u>Nautilus pompilius</u>	nautilus nautilus
ORDER Octopoda FAMILY Octopodidae Octopus sp. 19 [Norman 2000] Octopus sp. 20 [Norman 2000]	octopus, mimic octopus, "Wunderpus"
ORDER Sepioidea FAMILY Idiosepiidae Idiosepius paradoxus Idiosepius pygmaeus	squid, northern pygmy squid, two-tone pygmy
FAMILY Sepiadariidae <u>Sepioloidea</u> <u>lineolata</u>	squid, striped pyjama
FAMILY Sepiidae <u>Sepia</u> (all species in genus)	cuttlefish
ORDER Teuthoidea	

FAMILY LoliginidaeSepioteuthislessonianasquid, baby

\$4-71-6.5

SCIENTIFIC NAME	COMMON NAME
CLASS Gastropoda ORDER Anaspidea FAMILY Aplysiidae Aplysia <u>californica</u>	sea hare, California
ORDER Mesogastropoda FAMILY Ampullariidae <u>Pila ampullacea</u> Pila angelica	snail, apple snail, apple
Pila conica	snail, apple
Pila luzonica	snail, apple
<u>Pila polita</u>	snail, apple
<u>Pila scutata</u> Pomacea (all species in genus)	snail, apple snail, apple
<u>Iomacea</u> (all species in genus)	Sharry appre
FAMILY Cypraeidae	
Cypraeidae (all species	cowry
in family)	
FAMILY Strombidae	
Lambis lambis	conch
Strombus luhuanus	conch
FAMILY Vermetidae	
Dendropoma gregaria	vermetid vermetid
<u>Dendropoma meroclista</u> Dendropoma platypus	vermetid
Dendropoma psarocephala	vermetid
Petaloconchus keenae	vermetid
Serpulorbis variabilis	vermetid
<b>_</b>	
ORDER Neogastropoda FAMILY Conidae	
Conus marmoreus	snail, marine
FAMILY Muricidae	
FAMILY MURICIDAE Drupa morum	snail, marine
Drupa ricina	snail, marine
<u></u>	,
ORDER Pulmonata	
FAMILY Vaginulidae	

Vaginulus plebeius

slug, land

#### \$4-71-6.5

#### SCIENTIFIC NAME

#### COMMON NAME

PHYLUM Nemata (=Nematoda)	
CLASS Adenophorea	
ORDER Mermithida	
FAMILY Mermithidae	
Romanomermis culicivorax	nematode, mosquito

ORDER Trichocephalida	
FAMILY Trichinellidae	
<u>Trichinella</u> <u>spiralis</u>	nematode

FAMII	Y Tr	ichurida	9			
Capillaria	(all	species	in	genus)	nemato	de

CLASS Secernentea	
ORDER Ascaridida	
FAMILY Anisakidae	
Anisakis (all species in genus)	nematode

FAMILY Ascarididae Ascaris lumbricoides

FAMILY Dioctophymatidae Dioctophyma renale

FAMILY Toxocaridae Toxocara (all species in genus) nematode

ORDER Camallanida FAMILY Dracunculidae Dracunculus medinensis

nematode

eel, vinegar

microworm

nematode

nematode

ORDER Rhabditida FAMILY Cephalobidae Chiloplacus<br/>Panagrellus<br/>Turbatning(all species in genus)nematode, free living<br/>nematode, saprophyticTurbatning<br/>Panagrellus(all species in genus)nematode, saprophytic Turbatrix aceti Turbatrix silusae

FAMILY Heterorhabditidae Heterorhabdit<u>is</u> <u>bacteriophora</u> nematode, entomogenous nematode, entomogenous Heterorhabditis megides

\$4-71-6.5

### SCIENTIFIC NAME

#### COMMON NAME

FAMILY SteinernematidaeNeoaplectana(all species in genus)nematode, entomogenousSteinernema(all species in genusnematode, entomogenousexcept S. carpocapsae)

ORDER Strongylida FAMILY Ancylostomatidae <u>Ancylostoma</u> (all species in genus) nematode

FAMILY Metastrongylidae <u>Angiostrongylus</u> <u>costaricensis</u> nematode, rat

FAMILY Strongyloididae Strongyloides (all species in genus) nematode

FAMILY Uncinariidae Necator americanus

ORDER Tylenchida FAMILY Allantonematidae Heterotylenchus autumnalis

FAMILY Criconematidae Meloidogyne incognita nematode, entomogenous

nematode

nematode, root-knot

PHYLUM Platyhelminthes CLASS Catenulida ORDER Turbellaria FAMILY Stenostomidae Stenostomum (all species in genus) flatworm

CLASS Cestoda ORDER Cyclophyllidea FAMILY Dilepididae Dipylidium caninum cestode

FAMILY TaeniidaeTaenia(all species in genus)cestodeEchinococcus(all species in genus)cestode

### \$4-71-6.5

## SCIENTIFIC NAME

#### COMMON NAME

ORDER Pseudophyllidea	
FAMILY Diphyllobothriidae	
Diphyllobothrium latum	cestode

CLASS Trematoda	
ORDER Echinostomida	
FAMILY Fasciolidae	
Fasciola hepatica	trematode
<u>Fasciolopsis</u> <u>buski</u>	trematode
FAMILY Gastrodiscidae	

<u>Gastrodiscoides</u> <u>hominis</u> trematode

ORDER Opisthorchiida	
FAMILY Heterophyidae	
Heterophyes heterophyes	trematode

FAMILY Opisthorchiidae Opisthorchis viverrini trematode

## ORDER Plagiorchiida FAMILY Paragonimidae <u>Paragonimus</u> (all species in genus) trematode

ORDER St	rigei	dida			
FAMILY	Schi	stosomat	ida	ae	
Schistosoma	(all	species	in	genus)	trematode

## AMPHIBIANS

PHYLUM Chordata CLASS Amphibia ORDER Caudata FAMILY Ambystomidae Ambystoma jeffersonianum Ambystoma texanum

salamander, mole
salamander, mole

\$4-71-6.5

#### SCIENTIFIC NAME

FAMILY Cryptobranchidae Andrias japonicus

<u>Andrias</u> (<u>Megalobatrachus</u>) <u>japonicus</u> <u>davidianus</u> Cryptobranchus alleganiensis

FAMILY Plethodontidae Eurycea longicauda

FAMILY Salamandridae <u>Echinotriton</u> <u>andersoni</u> Notophthalmus viridescens

ORDER Salientia FAMILY Bufonidae Bufo (all species in genus)

FAMILY Discoglossidae Bombina maxima

Bombina orientalis

FAMILY Hylidae Agalychnis annae Agalychnis callidryas Pachymedusa dacnicolor Smilisca baudini smilisca

FAMILY Leptodactylidae <u>Ceratophrys</u> <u>calcarata</u> <u>Ceratophrys</u> <u>ornata</u> <u>Leptodactylus</u> <u>pentadactylus</u>

FAMILY Microhylidae <u>Dyscphus</u> (all species in genus) <u>Kaloula</u> mediolineata

FAMILY Pelobatidae <u>Megophrys</u> <u>montana</u> <u>nasuta</u> Megophrys monticola nasuta COMMON NAME

salamander, Japanese
giant
salamander, Chinese
giant
salamander, hellbender

salamander, long-tailed

newt, spiny
newt, red-spotted

toad

toad, giant firebellied toad, fire-bellied

treefrog, yellow-eyed treefrog, red-eyed treefrog, Mexican giant treefrog, mottled (Mexican)

frog, Columbian horned
frog, ornate horned
bullfrog, South American

frog, tomato
toad, Siamese-painted
toad, Malayan narrowMouthed

frog, Siamese-horned frog, Asian-horned

\$4-71-6.5

## RESTRICTED ANIMAL LIST (Part A)

## SCIENTIFIC NAME

FAMILY Pipidae <u>Pipa pipa</u> <u>Xenopus laevis</u>

FAMILY Ranidae Pyxicephalus adspersus

FAMILY Rhacophoridae <u>Kassina maculata</u> <u>Mantella</u> (all species in genus) <u>Rhacophorus (Polypedates</u>) leucomystax

#### COMMON NAME

toad, Surinam frog, African clawed

bullfrog, (African grove
 crown)

frog, spotted running
frog, golden
frog, bamboo climbing
(gold) (white-bearded
flying)

## REPTILES

PHYLUM Chordata CLASS Reptilia ORDER Crocodylia FAMILY Crocodylidae	
<u>Alligator</u> mississippiensis	alligator, American
(Prohibited for short-term	
performance or exhibition in	
circuses, carnivals, or state	
fairs. Allowed for short-term	
performance for commercial	
filming, for exhibition in	
government zoos, or for other	
purposes permitted under section	
4-71-6.5)	
<u>Caiman</u> <u>crocodilus</u>	caiman, spectacled
(Prohibited for short-term	
performance or exhibition in	
circuses, carnivals, or state	
fairs. Allowed for short-term	
performance for commercial	
filming, for exhibition in	
government zoos, or for other	
purposes permitted under_	
section <u>4-71-6.5</u> )	

\$4-71-6.5

SCIENTIFIC NAME COMMON NAME Crocodylus (all species in genus) crocodile (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5) Gavialis gangeticus gavial, garial (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) ORDER Squamata Two non-venomous male snakes in snakes, non-venomous the suborder Serpentes for exhibition in a government zoo FAMILY Agamidae Acanthosaura armata lizard, mountain horned Agama agama lizard, common agama lizard, South African Agama atricollis agama Agama stellio hardum Calotes calotes lizard, sawback agamidae Ceratophora stoderti lizard, horned agama Ctenophor (Amphibolurus) lizard, crested dragon cristatus Ctenophor (Amphibolurus) lizard, lozenge marked scutulatus dragon Draco (all species in genus) lizard, flying dragon lizard, horn-headed tree Gonocephalus borniensis dragon Hydrosaurus (all species in genus) lizard, sailfin Leiolepis belliana lizard, smooth-scaled agama, butterfly Leiolepis rubritaeniata lizard, giant ground

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#### SCIENTIFIC NAME

Moloch horridus Physignathus cocincinus

Physignathus lesueuri

Pogona (Amphibolurus) barbatus

Pogona (Amphibolurus) nullarbor Pogona (Amphibolurus) vittaceps

FAMILY Anguidae Gerrhonotus (Elguria) multicarinata Ophisaurus ventralis

FAMILY Chamaeleonidae Chamaeleo chamaeleon Furcifer oustaleti (Chamaeleo oustaleti)

FAMILY Colubridae Boiga irregularis (four sterile snake, brown tree male snakes for research or training of snake detector dogs)

FAMILY Cordylidae Cordylus cataphractus Cordylus giganteus Cordylus warreni Gerrhosaurus flavigularis

Gerrhosaurus major Gerrhosaurus nigrolineatus plated

FAMILY Gekkonidae Chondrodactylus angulifer Coleonyx elegans Coleonyx variegatus Cyrtodactylus pulchellus

Cyrtodactylus louisadensis

#### COMMON NAME

lizard, thorny devil lizard, Malayan water dragon lizard, brown water dragon lizard, Australian Bearded dragon lizard, Nullarbor bearded dragon dragon, inland bearded

lizard, southern alligator lizard, eastern glass

chameleon, common chameleon, Oustalet's

lizard, armadillo lizard, sun gazer lizard, Warrens girdled lizard, yellow-throated plated lizard, tawny plated lizard, black-lined

gecko, sand gecko, elegant banded gecko, western banded gecko, Malayan banded (naked-toe) gecko, naked-finger

Diplodactylus spinigerus

Eublepharis macularius Gehyra mutilata (Peropus) Gekko gecko Gekko stentor Gymnodactylus penguensis zebraic Hemidactylus frenatus Hemidactylus garnoti Hemiphyllodactylus typus Hemitheconyx caudicinctus

#### Homopholus walbergi

<u>Nephrurus</u> (all species in genus) <u>Oedura lesueuri</u> <u>Oedura marmorata</u> <u>Oedura robusta</u> <u>Pachydactylus bibroni</u> <u>Phelsuma abbotti</u> <u>Phelsuma cepediana</u> <u>Phelsuma guimbeaui</u>

<u>Phelsuma</u> <u>laticauda</u> <u>Phelsuma</u> <u>madagascariensis</u> Phelsuma ornata

Phyllurus cornutus

Phyllurus platurus

<u>Ptychozoon</u> <u>kuhli</u> <u>Ptychozoon</u> <u>lionotum</u> <u>Rhacodactylus</u> <u>leachianus</u>

<u>Thecadactylus</u> <u>rapicauda</u> <u>Underwoodsaurus</u> <u>mili</u> Uroplatus (all species in genus)

FAMILY Iguanidae Anolis equestris Basiliscus basiliscus Basiliscus plumifrons

Basiliscus vittatus

#### COMMON NAME

gecko, West Australian spiny-tailed (zig-zag) gecko, leopard gecko, stump-toed gecko, tokay gecko, giant gecko, leopard's(benttoe) gecko, house gecko, Indo-Pacific gecko, tree gecko, African fattailed gecko, Wallberg's velvety gecko, knob-tailed gecko, Lesueur's velvet gecko, velvet gecko, robust velvet gecko, Bibron's gecko, Aldabra day gecko, blue-tailed day gecko, orange-spotted day gecko, gold dust day gecko, Madagascar day gecko, Reunion Island day (ornate day) gecko, northern leaftailed gecko, southern leaftailed gecko, flying gecko, flying gecko, New Caledonia giant gecko, turnip-tailed gecko, turnip-tailed gecko, flat-tailed

lizard, knight anole lizard, brown basilisk lizard, green basilisk (double crested) lizard, banded basilisk

Brachylophus fasciatus

<u>Callisaurus</u> <u>draconoides</u> <u>Corytophanes</u> <u>cristatus</u> <u>Crotaphytus</u> <u>collaris</u> <u>Ctenosaura</u> <u>similis</u>

#### Cyclura macleayi

<u>Dipsosaurus</u> <u>dorsalis</u> <u>Enyaliosaurus</u> <u>quinquecarinatus</u> Gambelia wislizeni

Holbrookia maculata Iguana (all species in genus) Phrynosoma (all species in genus)

Sauromalus<br/>Sauromalus<br/>Sceloporus<br/>Sceloporusobesus<br/>varius<br/>clarkiSceloporus<br/>Sceloporus<br/>Sceloporus<br/>Occidentalisstarsburiana

FAMILY Lacertidae <u>Lacerta</u> <u>lepida</u> <u>Lacerta</u> <u>sicula</u> <u>Lacerta</u> <u>viridis</u> Takydromus sexlineatus

FAMILY Pygopodidae Delma impar

<u>Lialis burtonis</u> <u>Pygopus</u> <u>lepidopodus</u>

FAMILY Scincidae Acontias percivali

<u>Corucia</u> <u>zebrata</u> <u>Cryptoblepharus</u> <u>boutoni</u>

#### COMMON NAME

iguana, Tongan (Fiji banded) lizard, zebra-tailed iguana, helmeted lizard, collared iguana, spiny-tailed iguana, Cuban (rhinoceros) iguana, desert iguana, club tail lizard, long-nosed leopard lizard, lesser earless iquana lizard, horned (horned toad) lizard, chuckwalla lizard, chuckwalla lizard, Clark's spiny lizard, Yarrow's spiny lizard, desert spiny lizard, western fence lizard, granite spiny lizard, tree lizard, side-blotched lizard, jeweled lacerta lizard, European wall lizard, green lizard, long-tailed (oriental six-lined runner) lizard, smooth-scaled scaleyfoot lizard, Burton's snake lizard, common scaleyfoot lizard, East African

legless skink, green tree skink, snake-eyed

Cyclodomorphus (Tiliqua) branchialis

Dasia smaragdina

<u>Egernia</u> <u>cunninghami</u> <u>Egernia</u> <u>stokesii</u> Emoia cyanura

Eumeces obsoletus Leiolopisma metallicum Lipinia noctua Mabuya capensis Mabuya capensis

<u>Mabuya macularia</u> Omolepida (Tiliqua) branchialis

Tiliqua nigrolutea

Tiliqua occipitalis

<u>Tiliqua scincoides</u> <u>Trachysaurus rugosus</u> (<u>Tiliqua</u> rugosus)

FAMILY Teiidae <u>Ameiva</u> <u>ameiva</u> <u>Callopistes</u> <u>maculatus</u> Cnemidophorus tesselatus

<u>Cnemidophorus tigris</u> <u>Tubinambis nigropunctatus</u> <u>Tupinambis teguixin</u>

FAMILY Varanidae Varanus acanthurus Varanus bengalensis Varanus dumerili Varanus giganteus Varanus gouldi Varanus indicus Varanus komodoensis Varanus ailocticus Varanus salvadori

#### COMMON NAME

skink, West Australian short-limed skink, spotted green tree skink, Cunningham's skink, gidgee skink, blue-tailed slender skink, Great Plains skink, metalic skink, moth skink, South African skink, South African blue-tailed skink, orange-throated skink, Australian short-limbed skink, blotched- bluetongued skink, West Australian blue-tongued skink, blue-tongued skink, shingle back

lizard, jungle runners lizard, monitor tegu lizard, checkered whiptail lizard, western whiptail lizard, golden tegu lizard, tegu red lizard, tegu black

monitor, spiny-tailed
monitor, Bengal
monitor, Dumeril's
monitor, savannah
monitor, Perentee
monitor, Gould's
monitor, Pacific
monitor, komodo
monitor, Nile
monitor, crocodile
monitor, water

#### RESTRICTED ANIMAL LIST (Part A)

\$4-71-6.5

SCIENTIFIC NAME

Varanus storri

Varanus varius

ORDER Testudines FAMILY Chelidae <u>Chelus</u> <u>fimbriatus</u> <u>Emydura</u> <u>albertisi</u>

Podocnemis unifilis

FAMILY Chelydridae <u>Chelydra serpentina</u> Macroclemys temmincki

FAMILY Emydidae Heosemys grandis

FAMILY Pelomedusidae <u>Pelomedusa subrufa olivacera</u> Pelusios (all species in genus)

#### COMMON NAME

monitor, pygmy (Storr's
 dwarf)
monitor, variegated

turtle, mata mata
turtle, New Guinea snake
neck
turtle, yellow-spotted
Amazon

turtle, snapping
turtle, alligator
snapping

turtle, Asian temple

turtle, helmeted terrapins, African Hinged

#### FISHES

PHYLUM Chordata		
CLASS Chonodrichthyes		
ORDER Carcharhiniformes		
FAMILY Carcharhinidae		
Carcharhinus amblyrhynchos	shark,	gray reef
Carcharhinus galapagensis	shark,	Galapagos
Carcharhinus longimanus	shark,	oceanic whitetip
Carcharhinus limbatus	shark,	blacktip

CLASS Osteichthyes		
ORDER Acipenseriformes		
FAMILY Acipenseridae		
<u>Acipenser</u> <u>baeri</u>	sturgeon,	Siberian

#### COMMON NAME

Acipenser brevirostrum Acipenser fulvescens Acipenser guldenstadti Acipenser guldenstadti x Huso huso Acipenser medirostris Acipenser oxyrhynchus Acipenser ruthenus Acipenser ruthenus x Huso huso Acipenser stellatus Huso huso

<u>Scaphirhynchus</u> <u>albus</u> Scaphirhynchus platorhynchus

FAMILY Polyodontidae Polyodon spathula

ORDER Atheriniformes FAMILY Atherinidae <u>Menidia</u> <u>beryllina</u>

ORDER Cypriniformes FAMILY Cyprinidae <u>Notemigonus</u> crysoleucas Pimephales promelas

FAMILY Erythrinidae Hoplias malabaricus

ORDER Perciformes FAMILY Mugilidae Mugil cephalus

FAMILY Nototheniidae <u>Dissostichus</u> <u>mawsoni</u> Notothenia (all species in genus)

FAMILY Siganidae Lo magnificus

Lo uspi

Lo vulpinus

sturgeon, shortnose
sturgeon, lake
sturgeon, Russian
sturgeon, Oceber
sturgeon, green
sturgeon, Atlantic
sturgeon, Siberian;
sterlet
sturgeon, Bester
sturgeon, Sevruga
(starry)
sturgeon, Beluga
sturgeon, pallid
sturgeon, shovelnose

paddlefish

silverside

minnow, golden shiner
minnow, fathead

tiger fish

mullet, striped

cod, Antarctic cod, Antarctic

foxface, white
 (rabbitfish)
foxface, bicolor
 (rabbitfish)
lo, foxface (rabbitfish)

#### RESTRICTED ANIMAL LIST (Part A)

#### SCIENTIFIC NAME

# Siganus<br/>Siganuscorallinus<br/>lineatusSiganus<br/>Siganuspuellus<br/>vermiculatusSiganus<br/>Siganusvermiculatus<br/>vermiculatusSiganus<br/>virgatusvirgatus

ORDER Siluriformes FAMILY Clariidae Clarias fuscus

#### COMMON NAME

rabbitfish, spotted
goldenspot
rabbitfish, blueline
rabbitfish, vermiculated
rabbitfish, spinefoot
rabbitfish, barhead

catfish, Chinese

ORDER Synbranchiformes		
FAMILY Synbranchidae		
Monopterus albe	eel,	rice paddy

#### BIRDS

#### (Taxonomy after Sibley and Monroe 1990)

PHYLUM Chordata		
CLASS Aves		
ORDER Anseriformes		
FAMILY Anatidae		
Anas platyrhynchos		

FAMILY Anhimidae Chauna chavaria

ORDER Apterygiformes FAMILY Apterygidae Apteryx australis duck, mallard

screamer, black-necked

kiwi, common zoi (brown)

ORDER Caprimulgiformes FAMILY Podargidae Batrachostomus javensis frogmouth, Javan Podargus strigoides frogmouth, tawny

#### SCIENTIFIC NAME

ORDER Casuariiformes FAMILY Casuariidae <u>Casuarius</u> (all species in genus) FAMILY Dromaiidae <u>Dromaius</u> novaehollandiae emu, common

ORDER Charadriiformes FAMILY Burhinidae Burhinus bistriatus

Burhinus capensis

FAMILY Charadriidae <u>Pluvialis</u> <u>dominica</u> <u>Vanellus</u> <u>armatus</u> <u>Vanellus</u> <u>spinosus</u>

FAMILY Glareolidae Glareola pratincola

FAMILY Haematopidae <u>Haematopus</u> <u>ostralegus</u>

FAMILY Jacanidae Actophilornis africana

FAMILY Laridae <u>Anous stolidus</u> <u>Gygis alba</u> <u>Larosterna inca</u> <u>Larus atricilla</u> <u>Larus californicus</u> <u>Larus heermanni</u> <u>Procelsterna cerulea</u> <u>Sterna fuscata</u> <u>Sterna sumatrana</u> Thalasseus maximus

FAMILY Recurvirostridae <u>Himantopus</u> <u>himantopus</u> Himantopus mexicanus thick-knee, doublestriped
cape thick-knee

COMMON NAME

plover, lesser golden
plover, blacksmith
plover, African
spur-wing (spur-winged
lapwing)

pratincoles, collared

oyster catcher, European

jacana, African

tern, brown noddy tern, fairy tern, Inca gull, laughing gull, California gull, Heermans noddy, blue-grey tern, sooty tern, black-naped tern, royal

stilt, black-winged
stilt, black-necked

#### SCIENTIFIC NAME

FAMILY Scolopacidae Limnodromus griseus

ORDER Ciconiiformes FAMILY Ardeidae Ardea herodias Ardeola (Bubulcus) ibis Egretta alba Egretta garzetta Egretta intermedia Egretta thula Hydranassa caerulea Hydranassa tricolor Tigrisoma lineatum

FAMILY Ciconiidae Anastomus lamelligerus Ephippiorhynchus asiaticus Ephippiorhynchus senegalensis Jabiru mycteria Leptoptilos crumeniferus

FAMILY Scopidae Scopus umbetta

FAMILY Threskiornithidae Carphibis <u>spinicollis</u> <u>Eudocimus albus</u> Plegadis falcinellus

ORDER Coliiformes FAMILY Coliidae Colius striatus

ORDER Columbiformes FAMILY Columbidae <u>Caloenas nicobarica</u> <u>Didunculus strigirostris</u> <u>Ducula aenea</u> <u>Ducula bicolor</u> Ducula myristicivora

<u>Geopelia</u> <u>humeralis</u> Goura cristata COMMON NAME

dowitcher, short-billed

heron, great blue egrets, cattle egret, great egret, little egret, plumed egret, snowy heron, little blue heron, tricolored heron, rufescent tiger

stork, open-billed stork, black-neck stork, saddle-bill jabiru stork, Marabou

hammerkop (hammerhead)

ibis, straw-necked
ibis, American white
ibis, glossy

mousebird, speckled

pigeon, Nicobar pigeon, tooth-billed pigeon, green imperial pigeon, pied (imperial) pigeon, New Guinea imperial dove, bar-shouldered pigeon, common crowned

Leucosarcia melanoleuca Macropygia phasianella

Macropygia unchall Otidiphaps nobilis

<u>Ptilinopus</u> jambu Ptilinopus melanospila

Ptilinopus<br/>Ptilinopus<br/>roseicapillaPtilinopus<br/>Ptilinopus<br/>victorStreptopelia<br/>Streptopelia<br/>Turtur chalcospilos

#### Uropelia campestris

FAMILY Pteroclididae <u>Pterocles</u> <u>indicus</u> Syrrhaptes paradoxus

ORDER Coraciiformes FAMILY Alcedinidae <u>Alcedo</u> <u>cristata</u> <u>Ceyx erithacus</u>

<u>Ceyx</u> <u>rufidorsus</u> <u>Dacelo</u> <u>gigas</u> Halcyon chloris

Halcyon cinnamomina Halcyon leucocephala Halcyon pileata Halcyon recurvirostris Tanysiptera galatea

FAMILY Bucerotidae <u>Aceros</u> <u>leucocephalus</u> <u>Aceros</u> <u>nipalensis</u> Aceros plicatus

Aceros undulatus Anthracoceros coronatus Anthracoceros malabaricus

#### COMMON NAME

pigeon, wonga dove, slender-bill cuckoo dove, bar-tailed cuckoo pigeon, pheasant (magnificent ground) pigeon, jambu fruit pigeon, black naped fruit dove, many colored fruit dove, Mariana fruit dove, orange dove, ringed turtle dove, laughing dove, wood emeraldspotted dove, long-tailed ground

sandgrouse, painted
sandgrouse, pallas

# kingfisher, malchite kingfisher, Indian forest kingfisher, red-backed kookabura, laughing kingfisher, whitecollared kingfisher, Micronesian kingfisher, grey-headed kingfisher, black-capped kingfisher, flat-billed kingfisher, common paradise

hornbill, wrinkled hornbill, rufous-necked hornbill, Papuan (Blyths) hornbill, wreathed hornbill, pied hornbill, northern pied

Buceros bicornis Buceros hydrocorax Buceros rhinoceros silvestris

Bucorvus abyssinicus

Bucorvus leadbeateri Penelopides exarhatus Tockus erythrorhynchus

FAMILY Coraciidae Coracias benghalensis Coracias caudata

FAMILY Meropidae <u>Merops</u> <u>nubicus</u> <u>Merops</u> <u>philippinus</u>

FAMILY Momotidae Momotus momota

FAMILY Phoeniculidae Phoenicilus purpureus

FAMILY Upupidae

ORDER Cuculiformes FAMILY Cuculidae Carpococcyx renauldi

<u>Centropus</u> <u>sinensis</u> <u>Rhopodytes</u> <u>tristis</u>

FAMILY Musophagidae Corythaixoides leucogaster

TauracoerythrolophusTauracoleucolophusTauracolivingstonii

#### COMMON NAME

hornbill, great hornbill, rufous hornbill, rhinoceros hornbill, Abyssinian ground hornbill, African ground hornbill, Celebean hornbill, red-billed

roller, Indian
roller, lilac-breasted

bee-eater, carmine
bee-eater, brownbreasted

motmot, blue-crowned

hoopoe, green wood

hoopoe, common

cuckoo, red-billed
ground
coucal, greater
malkoha, greater greenbilled

go-away bird, whitebellied turaco, red-crested turaco, white-crested turaco, Livingstone's

ORDER Falconiformes FAMILY Accipitridae Aegypius monachus Aquila (all species in genus) Buteo jamaicensis Buteo solitarius Gyps africanus Gyps bengalensis Haliaeetus (all species in genus) Haliastur indus Harpia harpyja Harpyopsis novaegineae Heterospizias meridionalis Necrosyrtes monachus Neophron percnopterus Parabuteo unicinctus harrisi

<u>Pithecophaga</u> jefferyi Trigonoceps <u>occipitalis</u>

FAMILY Cathartidae <u>Cathartes</u> <u>aura</u> <u>Coragyps</u> <u>atratus</u> <u>Sarcorhamphus</u> <u>papa</u>

FAMILY Falconidae <u>Falco</u> (all species in genus) <u>Herpetotheres</u> (all species in genus) <u>Polihierax</u> <u>semitorquatus</u> Polyborus (all species in genus)

FAMILY Sagittariidae Sagittarius serpentarius

ORDER Galliformes FAMILY Cracidae <u>Crax mitu</u> <u>Penelope pileata</u> Penelope purpurascens

FAMILY Megapodiidae <u>Aepypodius arfakianus</u> <u>Alectura lathami</u> <u>Megapodius freycinet</u> <u>Megapodius laperouse</u>

#### COMMON NAME

vulture, cinereous eaqle hawk, red-tailed hawk, Hawaiian vulture, white-backed vulture, white-backed eagle kite, Brahminy eagle, harpy eagle, New Guinea harpy hawk, savana vulture, hooded vulture, Egyptian hawk, Harris's (baywinged) eagle, monkey-eating vulture, white-headed

vulture, turkey
vulture, black
vulture, king

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falcon
falcon
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falcon, African pigmy caracara

secretary bird

curassow, razor-billed guan, white crested guan, crested

turkey, wattled brush turkey, brush scrubfowl, common fowl, Micronesia scrub

#### RESTRICTED ANIMAL LIST (Part A)

#### \$4-71-6.5

#### SCIENTIFIC NAME

Megapodius pritchardii

FAMILY Phasianidae Caloperdix oculea

<u>Guttera</u> <u>edouardi</u> <u>Meleagris</u> <u>ocellata</u>

ORDER Gruiformes FAMILY Eurypygidae <u>Eurypyga</u> <u>helias</u>

FAMILY Gruidae <u>Grus</u> japonensis Grus vipio

FAMILY Psophiidae <u>Psophia</u> <u>crepitans</u> <u>Psophia</u> <u>leucoptera</u> <u>viridis</u>

FAMILY Rallidae <u>Aramides cajanea</u> <u>Limnocorax flavirostra</u> <u>Porphyrio poliocephalus</u> <u>Porphyrio pulverulentus</u> <u>Rallus owstoni</u> Rallus philippensis

ORDER Passeriformes FAMILY Alaudidae <u>Alauda arvensis</u> <u>Eremopterix</u> keycioareua

FAMILY Artamidae Artamus leucorhynchus

FAMILY Bombycillidae Ptilogonys cinereus

FAMILY Campephagidae Coracina pectoralis COMMON NAME

megapode, Niuafo'ou

partridge, ferruginous
wood

fowl, crested Guinea turkey, ocellated

bittern, sun

crane, Manchurian
crane, white-naped

trumpeter, common
trumpeter, white-winged
trumpeter, green-winged

rail, grey-necked wood crake, black moorhen pukeko rail, Guam rail, banded

skylark lark, Fishers sparrow

swallow, white-breasted
wood

flycatcher, gray silky

shrike, white-breasted
 cuckoo

#### SCIENTIFIC NAME

Coracina tenuirostris Prionops plumata

FAMILY Corvidae <u>Cissa chinensis</u> <u>Corvus albus</u> <u>Corvus corax</u> <u>Corvus kubaryi</u> <u>Cyanocitta cristata</u> <u>Cyanocitta stelleri</u> Cyanocorax chrysops

<u>Platylophus</u> galericulatus <u>Urocissa</u> erythrorhyncha

FAMILY Cotingidae Cephalopterus penduliger

Rupicola peruviana Procnius nudicollis

FAMILY Dicruridae <u>Dicrurus</u> <u>remifer</u>

FAMILY Emberizidae Paroaria gularis pheucticus

Passerina cyanoides Pheucticus ludovicianus Pheucticus melanocephalus

FAMILY Estrildidae Estrilda <u>rhodopyga</u> Lonchura <u>maja</u>

Ortygospiza atricollis

FAMILY Eurylaimidae Calyptomena viridis

FAMILY Icteridae Icterus chrysocephalus Icterus icterus Psarocolius decumanus

#### COMMON NAME

bird, cicada
shrike, straight-crested
helmet

magpie, green crow, pied raven crow, Mariana jay, blue jay, Stellers jay, pileated (plush crested) jay, crested magpie, blue (red billed)

umbrella bird, longwattled cock-of-the-rock, Andean bellbird, naked throated

drongo, lesser rackettailed

cardinal, black-throated
 (red-capped)
grosbeak, blue-back
grosbeak, rose-breasted
grosbeak, black-headed

waxbill, crimson-rumped
nun, white-headed;
white-headed munia
finch, quail

broadbill, green

oriole, moriche troupial oropendola, crested

FAMILY Irenidae Chloropsis <u>aurifrons</u>

FAMILY Mimidae Dumetella carolinensis Mimus gilvus

FAMILY Motacillidae Motacilla flava

FAMILY Muscicapidae Acrocephalus <u>luscinia</u>

Acrocephalus syrinx

<u>Cettia</u> <u>subulata</u> <u>Cyornis</u> <u>tickelliae</u>

Erithacus calliope Erithacus komadori Erithacus obscurus Eumyias thalassina Ficedula narcissina Garrulax leucolophus

Garrulax milnei

Garrulax monileger

Metabolus regensis Monarcha godeffroyi Monarcha takatsuakasae Myadestes obscurus Myadestes townsendi Myiagra azureocapilla Myiagra erythrops Myiophoneus caeruleus Niltava sundara Pachycephala pectoralis Phoenicurus auroreus Rhipidura lepida Rhipidura rufifrons Turdus migratorius

FAMILY Oriolidae Oriolus chinensis

COMMON NAME leafbird, golden-fronted catbird, common mockingbird, tropical wagtail, yellow warbler, nightingale reed warbler, Caroline Islands reed warbler, bush flycatcher, Tickell's blue rubythroat, Siberian robin, Temminck's robin, black-throated flycatcher, verditer flycatcher, narcissus thrush, white-crested laughing thrush, red-tailed laughing thrush, lesser necklaced laughing monarch, Truk monarch, Yap monarch, Tinian solitaire, brown-backed solitaire, Townsend's flycatcher, blue-crested broadbill, Palau thrush, blue whistling niltava, rufous-bellied whistler, golden redstart, Daurian fantail, Palau fantail, rufous robin, American

oriole, black-naped

FAMILY Paradisaeidae <u>Astrapia</u> <u>mayeri</u> <u>Astrapia</u> <u>stephaniae</u>

<u>Cicinnurus</u> <u>regius</u> <u>Diphyllodes</u> <u>magnificus</u>

Diphyllodes respublica

Lophorina superba Paradisaea apoda

Paradisaea guilielmi

ParadisaeaminorParadisaearubraParadisaearudolphiParadisaearaggiana

Parotia carolae

<u>Parotia</u> <u>lawesii</u> <u>Ptiloris</u> <u>magnificus</u> <u>Seleucidis</u> <u>melanoleuca</u>

FAMILY Pipridae Chiroxiphia caudata

FAMILY Pittidae <u>Pitta</u> <u>moluccensis</u> <u>Pitta</u> <u>sordida</u> Pitta steerii

FAMILY Ploceidae Bubalornis <u>albirostris</u> Dinemellia dinemelli

Plocepasser mahali

FAMILY Ptilonorhynchidae Amblyornis macgregoriae Chlamydera cerviniventris Ptilonorhynchus violaceus

#### COMMON NAME

astrapia, ribbon-tailed bird-of-paradise, Princess Stephanie's bird-of-paradise, king bird-of-paradise, magnificent bird-of-paradise, Wilson's bird-of-paradise, superb bird-of-paradise, greater bird-of-paradise, white plumed bird-of-paradise, lesser bird-of-paradise, red bird-of-paradise, blue bird-of-paradise, Count Raggi's bird-of-paradise, Queen Carol's parotia, Lawe's rifle bird, magnificent bird-of-paradise, twelve-wired

manakin, swallow-tailed

pitta, blue-winged
pitta, hooded
pitta, steers

weaver, buffalo
weaver, white-headed
buffalo
weaver, white-browed
sparrow

bowerbird, Macgregor's
bowerbird, fawn-breasted
bowerbird, satin

#### COMMON NAME

FAMILY Sturnidae Buphagus africanus Cinnyricinclus leucogaster Cosmopsarus regius

Lamprotornis purpureus Lamprotornis purpuropterus

Leucopsar rothschildi Spreo superbus Sturnus nigricollis

FAMILY Thraupidae Piranga olivacea (males only) Ramphocelus dimidiatus (males only) tanager, crimson-backed Thraupis episcopus (males only)

FAMILY Tinamidae Eudromia formosa

FAMILY Zosteropidae Zosterops palpebrosa

ORDER Pelecaniformes FAMILY Pelecanidae Pelecanus (all species in genus)

FAMILY Phalacrocoracidae Phalacrocorax carbo

ORDER Piciformes FAMILY Capitonidae Lybius (all species in genus) Megalaima armillaris

Megalamima asiatica Semnornis ramphastinus Trachyphonus erythrocephalus

FAMILY Indicatoridae Indicator indicator

FAMILY Picidae Chrysocalaptes lucidus

oxpecker, yellow-billed starling, violet-backed starling, goldenbreasted starling, purple glossy starling, Ruppell's long-tailed mynah, Bali starling, superb starling, black collared

tanager, scarlet tanager, blue-grey

tinamou, crested

white-eye, oriental

pelican

cormorant, common

barbets barbett, Armott's (blue crowned) barbet, blue-throated barbet, toucan barbet, red and yellow

honeyguide, blackthroated

woodpecker, greater goldenbacked

#### Picoides canicapillus

FAMILY Rhamphastidae <u>Pteroglossus</u> beauharnaesii <u>Ramphastos</u> ambiguus swainsonii <u>Ramphastos</u> discolorus <u>Ramphastos</u> sulfuratus <u>sulfuratus</u> <u>Ramphastos</u> toco cuvieri <u>Ramphastos</u> toco toco <u>Ramphastos</u> vitellinus ariel

Ramphastos vitellinus vitellinus

Selenidera maculirostris

ORDER Procellariiformes FAMILY Procellariidae Puffinus pacificus

ORDER Psittaciformes FAMILY Loriidae Chalcopsitta sintillata Charmosyna papou goliathina Trichoglossus haematodus Trichoglossus johnstoniae Trichoglossus rubiginosus Vini peruviana

FAMILY Psittacidae Brotogeris jugularis Eunymphicus cornutus Lathamus discolor Loriculus galgulus Loriculus philippensis

<u>Nandayus nenday</u> <u>Nestor notabilis</u> <u>Prospoeia tabuensis</u> <u>Psittaculirostris</u> (all species in genus) Psittrichas fulgidus

#### COMMON NAME

woodpecker, gray-capped

aracari, curl-crested toucan, bicolored-billed toucan, red-breasted toucan, sulfur breasted, north kneel-bill toucan, Cuvier's toucan, north toco toucan, ariel channelbill toucan, sulphur and white, north channelbill toucanet, spot-billed

shearwater, wedge-tailed

lory, yellow streaked lory, central Stella's lory, rainbow lorikeet, Johnstone's lory, Ponape lory, Tahitian

parakeet, orange-chinned parakeet, horned parrot, swift lory, blue-crowned parrot, Philippine hanging conure, nanday kea parrot, red shining parrot, fig

parrot, Pesquets

RESTRICTED ANIMAL LIST (Part A)

\$4-71-6.5

#### SCIENTIFIC NAME

ORDER Rheiformes FAMILY Rheidae <u>Rhea</u> americana

ORDER Strigiformes FAMILY Strigidae <u>Asio flammeus</u> <u>Bubo virginianus</u> <u>Glaucidium brodiei</u> <u>Scotopelia peli</u> <u>Speotyto cunicularia</u> <u>Strix varia</u>

FAMILY Tytonidae Tyto alba

ORDER Trogoniformes FAMILY Trogonidae <u>Pharomachrus</u> <u>auriceps</u> <u>Pharomachrus</u> <u>mocinno</u> <u>Harpactes</u> <u>erythrocephalus</u> <u>Trogon</u> <u>viridis</u>

ORDER Apodiformes FAMILY Trochilidae Trochilidae (sexually dimorphic males only)

ORDER Psittaciformes FAMILY Loriidae Eos bornea (males only) Eos squamata (males only) Lorius lory (males only) COMMON NAME

rhea, common (greater)

owl, short-earred owl, great horned owlet, pygmy owl, Pell's fishing owl, burrowing owl, barred

owl, common barn

quetzal, golden-headed quetzal, resplendent trogon, red-headed trogon, white-tailed

hummingbirds

lory, red lory, violet-necked lory, black-capped

#### COMMON NAME

MAMMALS

PHYLUM Chordata CLASS Mammalia ORDER Artiodactyla FAMILY Bovidae Bovidae (all species in family <u>except Bubalus bubalis)</u>

FAMILY Camelidae <u>Camelus</u> <u>bactrianus</u> <u>Camelus</u> <u>dromedarius</u>

FAMILY Cervidae <u>Cervus nippon</u> <u>Dama dama (=Cervus dama)</u>

MuntiacusmuntjakMuntiacusreevesiOdocoileushemionus

FAMILY Girrafidae <u>Okapia</u> johnstoni

FAMILY Hippopotamidae <u>Choeropsis liberiensis</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5) <u>Hippopotamus amphibius</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state

fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5) wild cattle, buffalo, antelopes, etc.

camel, Bactrian camel

deer, sika
deer, white European
fallow
deer, Indian muntjac
muntjac, Reeve's
deer, black-tailed

okapi

hippo, pygmy

hippopotamus

#### SCIENTIFIC NAME

#### COMMON NAME

FAMILY Suidae Babyrousa babyrousa barbirusa Phacochoerus aethiopicus hog, wart Sus barbatus pig, bearded FAMILY Tayassuidae peccary, collared Tayassu tajacu ORDER Carnivora FAMILY Canidae Lycaon pictus dog, African hunting Otocyon megalotis fox, bat-eared Vulpes (all species in genus) fox FAMILY Felidae Acinonyx jubatus cheetah (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Felis carac<u>al (=Lynx</u> <u>caracal</u>) caracal (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Felis pardalis ocelot (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government

COMMON NAME

#### SCIENTIFIC NAME

zoos, or for other purposes permitted under section 4 - 71 - 6.5) Felis serval serval (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Felis wiedii margay (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Panthera leo lion (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Panthera nebulosa (=Neofelis clouded leopard nebulosa) (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section

short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section \$4-71-6.5

SCIENTIFIC NAME

COMMON	NAME
00111010	

4 - 71 - 6.5) Panthera onca jaguar Panthera pardus leopard (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Panthera tigris tiger (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5) Profelis concolor (=Felis concolor) puma, (cougar), (Prohibited for short-term (mountain lion) performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4 - 71 - 6.5FAMILY Hyaenidae Crocuta crocuta hyena, spotted (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for

#### 4-71-6.5)

FAMILY Mustelidae

<u>Lutra canadensis</u> <u>Mephitis</u> (all species in genus) <u>Mustela</u> <u>lutreola</u> <u>Mustela</u> <u>putorius</u> <u>furo</u> <u>Mustela</u> <u>vison</u> <u>Pteronura</u> <u>brasiliensis</u>

FAMILY Procyonidae <u>Ailurus fulgens</u> <u>Nasua</u> (all species in genus) <u>Potos flavus</u> Procyon lotor

FAMILY Ursidae <u>Helarctos malayanus</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5)

<u>Melursus ursinus</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5)

<u>Ursus</u> (all species in genus) (Prohibited for short-term performance or exhibition in otter, Asian smallclawed otter, land river skunk mink ferret mink otter, giant

COMMON NAME

panda, red coati kinkajou racoon

sunbear, Malayan

bear, sloth

bear

#### COMMON NAME

circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5)

FAMILY Viverridae Arctictis binturong Suricata suricatta Herpestes auropunctatus

binturong
meerkat, slender-tailed
mongoose, small Indian

ORDER Diprotodontia (=Marsupialia) FAMILY Didelphidae Didelphis marsupialis

FAMILY Macropodidae <u>Aepyrymnus</u> (all species in genus) <u>Bettongia</u> (all species in genus) <u>Caloprymnus</u> (all species in genus) <u>Dendrolagus</u> (all species in genus) Dorcopsis (all species in genus)

Dorcopsulus (all species in genus)

Hypsiprymnodon<br/>(all species<br/>genus)(all species in genus)Lagorchestes<br/>Lagostrophus<br/>(all species in genus)(all species in genus)Macropus<br/>(all species in genus)(all species in genus)Onychogalea<br/>(all species in genus)(all species in genus)Peradorcas<br/>(all species in genus)(all species in genus)Petrogale<br/>(all species in genus)(all species in genus)Potorous<br/>(all species in genus)(all species in genus)Setonix<br/>(all species in genus)(all species in genus)Wallabia<br/>(all species in genus)(all species in genus)

FAMILY Phascolarctidae <u>Phascolarctos</u> <u>cinereus</u> ORDER Edentata FAMILY Bradipodidae Bradypus (all species in genus) opossum

rat-kangaroo, Rufous
rat-kangaroo
rat-kangaroo, desert
tree-kangaroo
wallaby, New Guinea
forest
wallaby, New Guinea
mountain
rat-kangaroo, musk in

wallaby, hare wallaby, banded hare wallaby (kangaroo) kangaroo, red wallaby, nail-tailed rock-wallaby, little rock-wallaby potoroo quokka pademelon wallaby, swamp

bear, koala

sloth, three toed

#### RESTRICTED ANIMAL LIST (Part A)

#### \$4-71-6.5

SCIENTIFIC NAME	COMMON NAME
<u>Choloepus</u> (all species in genus)	sloth, two toed
FAMILY Dasypodidae <u>Dasypus</u> (all species in genus)	armadillo
FAMILY Myrmecophagidae Myrmecophaga <u>tridactyla</u>	anteater, giant
ORDER Hyracoidea FAMILY Procaviidae <u>Procavia</u> <u>capensis</u>	hyrax, rock
ORDER Insectivora FAMILY Erinaceidae <u>Hemiechinus</u> <u>auritis</u>	hedge hog, long-eared
FAMILY Soricidae <u>Crocidura</u> (all species in genus)	shrew, musk
ORDER Perissodactyla FAMILY Equidae <u>Equus</u> <u>africanus</u> (= <u>Equus</u> <u>asinus</u> )	ass, African wild
FAMILY Rhinocerotidae <u>Ceratotherium simum</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5)	rhinoceros, southern white
<u>Diceros bicornis</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes	rhinoceros, black

#### SCIENTIFIC NAME

permitted under section 4-71-6.5) <u>Rhinoceros unicornis</u> (Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section 4-71-6.5)

FAMILY Tapiridae <u>Tapirus</u> <u>indicus</u> <u>Tapirus</u> <u>terrestris</u>

Elaphas maximus

4-71-6.5) Loxodonta africana

4 - 71 - 6.5)

ORDER Proboscidea

FAMILY Elephantidae

(Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section

(Prohibited for short-term performance or exhibition in circuses, carnivals, or state fairs. Allowed for short-term performance for commercial filming, for exhibition in government zoos, or for other purposes permitted under section COMMON NAME

rhinoceros, great Indian

tapir, Malayan tapir

elephant, Asian

elephant, African

#### SCIENTIFIC NAME

#### ORDER Rodentia FAMILY Caviidae Dolichotis patagonum

FAMILY Cricetidae <u>Cricetulus griseus</u> <u>Gerbillus gerbillus</u> <u>Meriones unguiculatus</u> <u>Mesocricetus auratus</u> <u>Sigmondon hispidus</u>

#### FAMILY Dasyproctidae <u>Agouti paca</u> Dasyprocta agouti (=D. leporina)

FAMILY Erethizontidae Erethizon dorsatum

FAMILY Heteromyidae Perognathus longimembris

FAMILY Hystricidae <u>Hystrix</u> <u>cristata</u>

FAMILY Myocastoridae Myocastor coypu nutria

FAMILY Sciuridae <u>Callosciurus prevosti</u> <u>Marmota</u> (all species in genus) Sciurus variegatoide

ORDER Scandentia FAMILY Tupaiidae Tupaia glis

ORDER Tubulidentata FAMILY Orycteropodidae Orycteropus afer COMMON NAME

cavy, Patagonian

mouse, Chinese
gerbil
gerbil
hamster
rat, cotton

agouti agouti

porcupine, North American

mice, pocket

porcupine, African crested

squirrel, prevost's
marmots
squirrel, variegated

shrew, tree

aardvark

### **III. NEW BUSINESS**

B. Discussion and Action on the Proposed Amendments to HAR Title 4 Chapter 72, Plant and Non-Domestic Animal Quarantine Plant Intrastate Rules, promulgated by DoAG

PRE-PUBLIC HEARING SMALL BUSINESS IMPACT STATEMENT TO THE		
SMALL BUSINESS REGU	LATORY REVIEW BOARD	
(Hawaii Revised	Statutes §201M-2) Date:5/9/2023	
Department or Agency: <u>Hawaii Department of A</u>	griculture	
Administrative Rule Title and Chapter: <u>Title 4 - De</u>	partment of Agriculture, Chapter 72	
Chapter Name: Plant and Non-Domestic Animal Qu		
Contact Person/Title: Jonathan Ho, Acting Man	ager	
E-mail:jonathan.k.ho@hawaii.gov	Phone: <u>808-832-0571</u>	
A. To assist the SBRRB in complying with the meet a statement of the topic of the proposed rules or	ng notice requirement in HRS §92-7, please attach a general description of the subjects involved.	
B. Are the draft rules available for viewing in person pursuant to HRS §92-7?	and on the Lieutenant Governor's Website	
Yes No	in/pronocod administrativo rulos/	
lf " <b>Yes</b> ," provide details: <u>https://hdoa.hawaii.gov/blog/ma</u>		
I. Rule Description:	beal 🖌 Amendment 🖌 Compilation	
II. Will the proposed rule(s) affect small b Yes	usiness? need to submit this form.)	
* "Affect small business" is defined as "any potential or actual requirement imposed upon a small business that will cause a direct and significant economic burden upon a small business, or is directly related to the formation, operation, or expansion of a small business." HRS §201M-1		
* "Small business" is defined as a "for-profit corporation, limited liability company, partnership, limited partnership, sole proprietorship, or other legal entity that: (1) Is domiciled and authorized to do business in Hawaii; (2) Is independently owned and operated; and (3) Employs fewer than one hundred full-time or part- time employees in Hawaii." HRS §201M-1		
	•	
IV. Is the proposed rule being adopted pur Yes No (If "Yes" no need to submit this for	rsuant to emergency rulemaking? (HRS §201M-2(a)) m.)	
* *	*	
	RECEIVED	
Revised 09/28/2018	By Small Business Regulatory Review Board at 12:47 pm, May 10, 2023	

## If the proposed rule affects small business and are not exempt as noted above, please provide a reasonable determination of the following:

- Description of the small businesses that will be required to comply with the proposed rules and how they may be adversely affected.
   Please see Attachment A.
- In dollar amounts, the increase in the level of direct costs such as fees or fines, and indirect costs such as reporting, recordkeeping, equipment, construction, labor, professional services, revenue loss, or other costs associated with compliance.
   Please see Attachment A.

If the proposed rule imposes a new or increased fee or fine:

- Amount of the current fee or fine and the last time it was increased.
   Please see Attachment A.
- b. Amount of the proposed fee or fine and the percentage increase.
   Please see Attachment A.
- c. Reason for the new or increased fee or fine.Please see Attachment A.
- d. Criteria or methodology used to determine the amount of the fee or fine (i.e., Consumer Price Index, Inflation rate, etc.).
   Please see Attachment A.
- 3. The probable monetary costs and benefits to the agency or other agencies directly affected, including the estimated total amount the agency expects to collect from any additionally imposed fees and the manner in which the moneys will be used.

Please see Attachment A.

4. The methods the agency considered or used to reduce the impact on small business such as consolidation, simplification, differing compliance or reporting requirements, less stringent deadlines, modification of the fines schedule, performance rather than design standards, exemption, or other mitigating techniques. Please see Attachment A.

 The availability and practicability of less restrictive alternatives that could be implemented in lieu of the proposed rules.
 Please see Attachment A.

 Consideration of creative, innovative, or flexible methods of compliance for small businesses. The businesses that will be directly affected by, bear the costs of, or directly benefit from the proposed rules.
 Please see Attachment A.

7. How the agency involved small business in the development of the proposed rules. Please see Attachment A.

a. If there were any recommendations made by small business, were the recommendations incorporated into the proposed rule? If yes, explain. If no, why not.

Please see Attachment A.

8. Whether the proposed rules include provisions that are more stringent than those mandated by any comparable or related federal, state, or county standards, with an explanation of the reason for imposing the more stringent standard. Please see Attachment A.

If yes, please provide information comparing the costs and benefits of the proposed rules to the costs and benefits of the comparable federal, state, or county law, including the following:

- a. Description of the public purposes to be served by the proposed rule. Please see Attachment A.
- b. The text of the related federal, state, or county law, including information about the purposes and applicability of the law.
   Please see Attachment A.
- c. A comparison between the proposed rule and the related federal, state, or county law, including a comparison of their purposes, application, and administration. Please see Attachment A.
- d. A comparison of the monetary costs and benefits of the proposed rule with the costs and benefits of imposing or deferring to the related federal, state, or county law, as well as a description of the manner in which any additional fees from the proposed rule will be used. Please see Attachment A.
- e. A comparison of the adverse effects on small business imposed by the proposed rule with the adverse effects of the related federal, state, or county law.

Please see Attachment A.

\* \* \*

#### Listed below is a summary of the specific proposed changes to Chapter 4-72, Hawaii Administrative Rules.

- 1. Chapter 4-72 title is amended by adding "and Pest Host Material". Chapter 4-72 is amended by adding headings for "Subchapter 1 General Provisions" and "Subchapter 2 Intrastate Restrictions".
- 2. Amending Section 4-72-1, Objective by clarifying that Chapter 4-72 is implementing Chapter 141, Hawaii Revised Statutes (HRS) and by deleting "their plant or commodity hosts" and adding "infested or infected pest host material" and references to insects and diseases.
- 3. Amending Section 4-72-2 Definitions as follows:
  - a. The definition "Board" is corrected.
  - b. The definition "Department" is moved to appear in alphabetical order.
  - c. The definition "Chief" is deleted. All references to "chief" are changed to "SPRO" throughout.
  - d. The definition "Compliance agreement" is added.
  - e. The definition "Infested" is added.
  - f. The definition "Person" is added.
  - g. The definition "Pest" is added.
  - h. The definition "Pest host material" is added.
  - o. The definition "Restricted area" is corrected.
  - j. The definition "Soil" is added.
  - k. The definition "SPRO" is added.
  - I. The definition "State " is added.
- 4. Amending Section 4-72-3 Inspectional requirements. Adds "soil" to items required to be inspected by HDOA prior to being transported between the islands of the State, unless authorized by section 4-72-4(c). Clarifies that non-propagative plant parts may be inspected, at HDOA's discretion, when being transported between the islands of the State.
- 5. Amending Section 4-72-4 Prohibited transportations to:
  - a. Clarify that plants, propagative plant parts, and soil not inspected as required by section 4-72-3 may not be transported between islands of the State.
  - b. Add that pest host material that is infested or infected with an insect, disease, or pest, or that is itself a pest may not be transported between or within islands of the State unless it has been treated as approved by the SPRO or the transportation is authorized by the SPRO.
  - c. Add subsection (c) that the inspectional requirements and prohibitions on transportation do not apply to HDOA moving items for diagnostics, research, testing, or educational purposes or to items moved pursuant to a permit approved by the SPRO and issued to an institution approved by the Board, a government agency, or a university for diagnostics, research, testing, or educational purposes.
- 6. Amending and renumbering Section 4-72-4.5 Designation of infested areas; expansion as section 4-72-10 (see below for proposed changes).



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- 7. Adds new Section 4-72-5, Restrictions related to pest host material available to the public which authorizes the SPRO to:
  - a. Quarantine or prohibit the movement of items that are for sale or otherwise available to the public, institutions, or government agencies, that are infested or infected with an insect, disease, or pest.
  - b. Require treatment of an area where the infested or infected items are stored.
  - c. Determine the disposition of the infested or infected items.
- 8. Amending and renumbering Section 4-72-8 Restrictions on transport, harboring, rearing, or breeding of pests as Section 4-72-6. Amendments allow the harboring, rearing, or breeding of a pest in the following instances:
  - a. For diagnostics, research, testing, or educational purposes by HDOA, or for a government agency, or a university at sites approved by the SPRO.
  - b. By an institution approved by the Board, pursuant to a permit approved by the SPRO.
- 9. Adds new Section 4-72-7, Permit and inspection fees to establish fees as follows:
  - a. The fee for a permit under chapter 4-72 is \$20 per permit for a single shipment within one year and \$100 per permit for unlimited shipments within one year.
  - b. The fee for a site inspection is \$25 per site inspected, plus mileage reimbursement.
- 10. Adds new Section 4-72-8, Inspection fees to set fees plus mileage reimbursement pursuant to Act 173, SLH 2010 for:
  - Inspections and other actions by HDOA carried out beyond regular work hours at \$50.00 per inspection, including applicable charges for overtime, fixed charges, and meals, as appropriate.
  - b. Inspections conducted away from a port or HDOA office at \$50.00 per hour.
- 11. Adds new Section 4-72-9, Economic loss or damage to clarify that the State is not responsible for economic loss or damages related to actions by HDOA in carrying out Chapter 4-72.
- 12. Amending and renumbering Section 4-72-4.5 Designation of infested areas; expansion as section 4-72-10 to:
  - a. Make technical amendments regarding press releases and written notices.
  - b. Delete "its plant or commodity hosts" and add "its pest host material".
  - c. Remove the requirement that the Board's action to expand an infested area occur on the island where a new infestation has occurred, following written notice to industry groups likely to be affected.
- 13. Adds new Section 4-72-11, Penalties to clarify that violations of Chapter 4-72 are subject to penalties pursuant to Chapters 150A-14 and 141-7, HRS.
- 14. Adds new Section 4-72-12, Scientific and common names to clarify that if a scientific or common name set out in Chapter 4-72 is changed to a new scientific or common name the reference in the chapter shall be construed to refer to the new name.
- 15. Adds new Section 4-72-13, Severability to clarify that if a provision of Chapter 4-72 is found to be unconstitutional or invalid, the other provisions of the chapter are not affected.

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- 16. Amending and renumbering Section 4-72-5 Examples of regulated pests as Section 4-72-15. Amendments are proposed to make technical changes, including updating scientific and common names, and to add new examples of regulated pests.
- Amending and renumbering Section 4-72-6 Restrictions on sugarcane as Section 4-72-16. Amendments are proposed to make technical changes and add that a university or government agency may conduct research on sugarcane, pursuant to a permit.
- 18. Amending and renumbering Section 4-72-7 Restrictions on soil, sand, and animal manure as Section 4-72-17. Amendments are proposed to make technical changes, delete "artificial" and add "soil-less", and add that an institution approved by the Board, university, or government agency is eligible for a permit for diagnostic purposes.
- 19. Amending and renumbering Section 4-72-9 Restrictions on dasheen and taro as Section 4-72-18. Deletes "corms" from the heading and throughout the section.
- 20. Amending and renumbering Section 4-72-10 Restrictions on papaya and cucurbit as Section 4-72-19. Amendments make technical changes to scientific and common names.
- 21. Amending and renumbering Section 4-72-11 Restrictions on banana as Section 4-72-20. Amendments include adding restrictions for *Fusarium* tropical race 4 and make technical changes for clarity.
- 22. Amending and renumbering Section 4-72-12 Restrictions on coffee as Section 4-72-21. Amendments make technical changes for clarity and allow coffee plants and plant parts for propagation to be quarantined at a facility approved by the SPRO.
- 23. Amending and renumbering Section 4-72-13 Quarantine restrictions on ohia and soil from rapid ohia death infested areas as Section 4-72-22. Amendments make technical changes, including updating scientific names.
- 24. Adds new Section 4-72-23, Quarantine restrictions on CRB and CRB host material to make permanent Plant Quarantine Interim Rule 22-1. The proposed Section:
  - a. Designates the entire island of Oahu as the CRB infested area.
  - b. Prohibits a person from: transporting CRB host material from a CRB infested area to a CRB restricted area, or from transporting, receiving, processing, selling, bartering, donating, otherwise giving away, and exporting CRB host material within or from the CRB infested area except by HDOA; by permit for monitoring, control, eradication or scientific purposes approved by the SPRO; by permit for noncommercial activities subject to an appropriate treatment; pursuant to a compliance agreement issued by the SPRO, or directly exporting the material out of State.
- 25. Other changes are proposed throughout Chapter 4-72 for clarity, simplification, or to correct format, grammar, punctuation, and typeface.

Attachment A – 4-72, HAR SBRRB Pre-Public Hearing Statement May 9, 2023

1. Description of the small businesses that will be required to comply with the proposed rules and how they may be adversely affected.

The small businesses that will be required to comply with the proposed rules are those that transport regulated commodities intrastate. Some examples would be landscapers or nurseries as they are the most likely to transport live plants or other regulated plant parts. That said, the restrictions/requirements apply to anyone moving the regulated commodities, not just small businesses. The majority of the restrictions/requirements have already been in place for years, i.e. inspection requirements for plants or specific restrictions on coffee, banana, or sugarcane. The newest restrictions/requirements would be for the movement of Coconut Rhinoceros Beetle (CRB) host materials and fees for permit issuance. CRB host materials are only being restricted from Oahu to neighbor islands. Small businesses located in other areas of the state would not be affected by the CRB restrictions.

The affected parties would be affected by this rule by having to factor in additional time for inspections to meet shipping schedules and possibly incur additional fees for permits and/or inspections conducted away from the port of entry, as applicable. Because many of the restrictions/regulations have already been in place, most of those affected are already well aware of the majority of the requirements already and are already in compliance.

2. In dollar amounts, the increase in the level of direct costs such as fees or fines, and indirect costs such as reporting, recordkeeping, equipment, construction, labor, professional services, revenue loss, or other costs associated with compliance.

The direct costs will vary based on the types of commodities and number of shipments that occur. For example, if a chemical treatment is required prior to movement, the cost of the treatment and possibly the inspection/certification fees and mileage reimbursement (if conducted away from the office) would need to be assessed. Permit fees of up to \$100/year may be assessed if required for the specific commodity. Generally speaking, indirect costs are not mandated through these rules to gain compliance. Revenue loss may occur if the shipments are unable to comply and cannot be shipped or if inspections fail due to pest infestation, requiring follow-up inspections to correct deficiencies, however, those shipments can still be sold and distributed within the infested areas.

If the proposed rule imposes a new or increased fee or fine:

a. Amount of the current fee or fine and the last time it was increased.

Inspection fees were imposed via Act 170, SLH 2010, \$50 for each inspection outside normal business hours, or \$50/hour for inspections conducted away

from the port of entry. The proposed rules seek to codify the inspection fee requirements, which have been in place since 2010. There are no existing fees for permit issuance. Permit fees were not in the rules, so fees were not being assessed for permit processing/issuance.

b. Amount of the proposed fee or fine and the percentage increase.

Permit fees are set at \$20 for a single shipment within a year of permit issuance and \$100 for unlimited shipments within a year of permit issuance.

c. Reason for the new or increased fee or fine.

To set permitting fees that are in conjunction with other permit fees for plants and non-domestic animals that are imported into the state. The inspection fees, including mileage reimbursement are included for consistency with Act 170, SLH 2010.

d. Criteria or methodology used to determine the amount of the fee or fine (i.e., Consumer Price Index, Inflation rate, etc.).

The permitting fees are set at the same rates as existing permit fees for plant and non-domestic animal importation pursuant to HRS §150A-7.6. The inspection fees match those set by Act 170, SLH 2010.

3. The probable monetary costs and benefits to the agency or other agencies directly affected, including the estimated total amount the agency expects to collect from any additionally imposed fees and the manner in which the moneys will be used.

The fees are used to defray some of the costs of review, processing, and issuance of permits, including inspection costs if applicable. The probable benefits to HDOA would be to maintain program goals of preventing the spread and establishment of plant pests that are detrimental to agriculture and/or the environment.

There are approximately 25-30 intrastate permits issued per month, with the maximum revenue of \$36,000.00 annually, provided every permit is issued at the \$100.00 rate.

There are approximately 80-100 offsite inspections per month statewide. The average inspection is 1-3 hours. The average inspection cost would be approximately \$125.00, which includes a \$25.00 mileage reimbursement. Annually, the average revenue generated would be about \$150,000.00.

All fees will be distributed into the Pest Inspection, Quarantine, and Eradication fund pursuant to HRS §150A-4.5 and may be used for the operation of biosecurity and

pest inspection, quarantine, eradication, and monitoring programs; the electronic importer manifest program; related facilities; the execution of emergency remedial measures when pests are detected in the course of inspection and quarantine activities by the department; training of inspectors; education of the agricultural industry, permit and certificate holders, and the general public as to import requirements; and for any other purposes deemed necessary to carry out the purposes of Chapter 150A, HRS.

4. The methods the agency considered or used to reduce the impact on small business such as consolidation, simplification, differing compliance or reporting requirements, less stringent deadlines, modification of the fines schedule, performance rather than design standards, exemption, or other mitigating techniques.

Quarantine measures to prevent the spread of pests are based on scientifically verified measures that can adequately mitigate risk of spread and are designed around the actual industry affected and the specific pest being managed. As a result, mitigation measures will vary greatly based on the specific pest and available techniques that are available to manage said pest. In each instance, the implementation of measures that are effective, verifiable, and most cost efficient are utilized to ensure the transport of regulated commodities with the least impact to those affected, including small businesses.

5. The availability and practicability of less restrictive alternatives that could be implemented in lieu of the proposed rules.

There are no less restrictive alternatives. However, the rules are drafted in such a way that there is flexibility to utilize and authorize new quarantine measures as they are scientifically validated.

6. Consideration of creative, innovative, or flexible methods of compliance for small businesses. The businesses that will be directly affected by, bear the costs of, or directly benefit from the proposed rules.

The rules allow for the addition of alternative mitigative measures as they are identified and scientifically verified. The PQB tries to work with each specific stakeholder to come up with a verifiable process that can meet the quarantine and inspection requirements based on the businesses' current situation. The use of additional supplies and equipment is normally not considered unless there are no other means of managing a particular risk, such as pesticide treatments that may require specialized equipment, requirements, or licensing to implement.

7. How the agency involved small business in the development of the proposed rules.

The proposed rules were presented to the Advisory Committee on Plants and Animals at it's publicly noticed meeting on 2/15/2023 and then to the Board of Agriculture at it's publicly noticed meeting on 2/28/2023. Agendas were mailed to those on the Advisory Committee and Board's mailing lists, which included affected stakeholders. The proposed rules are still on the Department's website for review and further discussion at the public hearings, once authorized.

a. If there were any recommendations made by small business, were the recommendations incorporated into the proposed rule? If yes, explain. If no, why not.

There were no recommendations during the Advisory review for the proposed rule or the CRB interim rule. PQB believes that none were made because the majority of the proposed amendments did not significantly affect small businesses, or were already in place, such as the inspection fees. Those amendments, such as the restriction of CRB host material, which PQB recognizes will have impacts, impact stakeholders on Oahu who ship CRB host material interisland and PQB has been working with those affected to implement reasonable measures to prevent the spread of CRB. To date, shipments have been able to move and no CRB has been detected on neighbor islands. Additionally, stakeholders understand the importance of preventing the spread of this detrimental pest to the neighbor islands. However, during the public hearing process, the PQB is open to suggestions to the proposed rules, that can be scientifically validated, that can mitigate risk and reduce impact to small businesses.

8. Whether the proposed rules include provisions that are more stringent than those mandated by any comparable or related federal, state, or county standards, with an explanation of the reason for imposing the more stringent standard.

The proposed rules are not more stringent than comparable rules as there are no federal, state, or county standards that address the primary subject of this proposed rule, quarantine restrictions on CRB host material to prevent intrastate movement of CRB to non-infested islands. To date, only HDOA's interim rule 22-1, which expires on July 1, 2023, which the proposed rule replaces, addresses this.

If yes, please provide information comparing the costs and benefits of the proposed rules to the costs and benefits of the comparable federal, state, or county law, including the following:

- a. Description of the public purposes to be served by the proposed rule.
- b. The text of the related federal, state, or county law, including information about the purposes and applicability of the law.
- c. A comparison between the proposed rule and the related federal, state, or county law, including a comparison of their purposes, application, and administration.
- d. A comparison of the monetary costs and benefits of the proposed rule with the costs and benefits of imposing or deferring to the related federal, state, or county law, as well as a description of the manner in which any additional fees from the proposed rule will be used.
- e. A comparison of the adverse effects on small business imposed by the proposed rule with the adverse effects of the related federal, state, or county law.

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Amendment and Compilation of Chapter 4-72 Hawaii Administrative Rules

Date (month day, year)

1. Chapter 4-72, Hawaii Administrative Rules entitled "Plant and Non-Domestic Animal Quarantine Plant Intrastate Rules, Chapter 72, Hawaii Administrative Rules", is amended and compiled to read as follows:

# "HAWAII ADMINISTRATIVE RULES

# TITLE 4 DEPARTMENT OF AGRICULTURE

# SUBTITLE 6 DIVISION OF PLANT INDUSTRY

CHAPTER 72

# PLANT AND NON-DOMESTIC ANIMAL QUARANTINE

PLANT AND PEST HOST MATERIAL INTRASTATE RULES

Subchapter 1 General Provisions

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§4-72-2	Definitions
§4-72-3	Inspectional requirements
§4-72-4	Prohibited transportations
[\$4-72-4.	5 Designation of infested areas; expansion]
§4-72-5	Prohibition on movement of infested material
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§4-72-10 Designation of	infested	areas;	expansion
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# Subchapter 2 Intrastate Restrictions

\$4-72- <u>1</u> 5 \$4-72-16	Examples of regulated pests Restrictions on sugar[-]cane
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§4-72-1[ <del>0</del> ]	Restrictions on papaya and cucurbit
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§4-72-21[ <del>2</del> ]	Restrictions on coffee
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	soil from rapid ohia death infested areas
§4-72-23	Quarantine restrictions on coconut
	rhinoceros beetle and host material

Historical note: Chapter 72 of Title 4 is based substantially upon Regulation 4 [E]entitled "Concerning Transportation of Plant or Parts of Same, Plant Materials and Plant Products Between the Hawaiian Islands," of the Division of Entomology, Board of Commissioners of Agriculture and Forestry [Eff 12/12/41 as Reg 14; ren Reg 4 8/30/47; R 7/13/81]; Regulation 4.1 [E]entitled "Concerning Transportation of Plants or Parts of Same, Plant Materials or Plant Products from Oahu to Other Islands of the Hawaiian Group," of the Division of Entomology, Board of Commissioners of Agriculture and Forestry [Eff 12/12/41 as §2 of Reg 14; ren Re 4.1 8/30/47; R 7/13/81]; Regulation 4.2 [E]entitled "Concerning the Transportation of Soil, Earth or Sand from the Islands of Oahu, Hawaii, Lanai and Kauai to Other Islands of the Hawaiian Group," of the Division of Entomology, Board of Commissioners of Agriculture

and Forestry [Eff 12/12/41 as §§4 and 5 of Reg 14; ren Reg 4.2 8/30/47; R 7/13/81]; Regulation 4.3 [E]entitled "Concerning the Movement of Fern Plants or Parts Thereof Between the Islands of the Hawaiian Group," of the Division of Entomology, Board of Commissioners of Agriculture and Forestry [Eff 12/12/41 as Reg 15; ren Reg 4.3 8/30/47; R 7/13/81]; Regulation 4.4 [E]entitled "Concerning the Giant African Snail (Achatina Fulica Bowdich)," of the Division of Plant Industry, Department of Agriculture [Eff 7/1/42 as Reg 18; ren Reg 4.4 8/30/47; am 5/26/64; R 7/13/81]; and Regulation 4.7 [E]entitled "Concerning the Transportation of Cactus or Cactaceous Plants or Parts Thereof from the Island of Hawaii to Other Islands of the Hawaiian Group," of the Division of Entomology, Board of Commissioners of Agriculture and Forestry. [Eff 7/13/81; comp 9/19/91; am 4/13/1998; comp 2/24/12]. (Auth: HRS §\$141-2, 150A-9) (Imp: HRS §§ 141-2, 150A-8)

# SUBCHAPTER 1

#### GENERAL PROVISIONS

§4-72-1 Objective. The objective of this chapter is to implement the requirements of chapters 141 and 150A, Hawaii Revised Statutes, by restricting or prohibiting the interisland and intraisland transportation of plant pests and [their plant or commodity hosts | infested or infected pest host material to prevent the spread and establishment of plant pests detrimental to agriculture, horticultural industries and forest lands on uninfested islands and in uninfested localities of the State. [Eff 7/13/81; comp 9/19/91; am 4/13/1998; comp 2/24/12; am and comp ] (Auth: HRS §§141-2, 150A-9) (Imp: HRS §§141-2, 150A-8)

**\$4-72-2** <u>Definitions</u>. As used in this chapter: "Advisory Committee" means the advisory committee on plants and animals;

"Animal manure" means manure from poultry or livestock;

"Board" means the board of agriculture;

["Department" means department of agriculture;]

["Chief" means chief of the plant quarantine branch;]

"Compliance agreement" means a written agreement between the department and a person who carries out commercial activities that includes any terms or conditions the SPRO determines will slow or prevent the spread of a pest. A compliance agreement between the department and a person is a permit issued by the department to that person for the purposes of section 150A-8, HRS.

"Department" means the department of agriculture; "Infested" means harboring a pest;

"Infested area" means an island or locality within the State where a specific pest is known to be established; [and]

<u>"Person" means any individual, firm, corporation,</u> association, partnership, or other entity, including a governmental or not-for-profit entity;

"Pest" means any animal, insect, disease agent or other organism in any stage of development that is detrimental or potentially harmful to agriculture, or horticulture, or animal or public health, or natural resources including native biota or has an adverse effect on the environment as determined by the board;

"Pest host material" means any plant, propagative plant part, non-propagative plant part, soil, or any other thing that is found to be transporting or harboring an insect, disease, or pest;

"Restricted area" means an island or locality within the State where a specific pest is not known to be established or where an eradication or control project for a specified pest is being conducted by the [plant pest control branch.]department;

	"Soil"	means t	hat pa	rt of	the	upper lay	er of
earth	in whi	ch plant	s can	grow;	this	material	may or

**\$4-72-3** Inspectional requirements. (a) [Plant and] Except as provided in section 4-72-4(c), plants, propagative plant parts, and soil shall be inspected prior to being transported between the islands of the State. A certificate of inspection shall indicate satisfaction of the requirement for inspection.

(b) Cut or harvested flowers, foliage, fruits, vegetable, and other non-propagative plant parts need not be inspected prior to being transported between the islands of the State; provided that these commodities [shall] do not have additional requirements found within this chapter, and may be subject to [periodic random] inspection at either the port of departure or port of entry[-], at the discretion of the department. [Eff 7/13/81; comp 9/19/91; am and comp 2/24/12; am and comp ] (Auth: HRS §\$141-2, 150A-9) (Imp: HRS §\$141-2, 150A-8)

**§4-72-4** <u>Prohibited transportations</u>. (a) [The] Except as provided in subsection (c), the interisland transportation of [a commodity] plants, propagative plant parts, or soil that is not inspected pursuant to [<del>§4-72-3</del>] section 3, is prohibited.

(b) [A commodity] Pest host material that is infested or infected with a[ny] insect, disease, or pest, or that is itself a pest[defined in \$150A-2, Hawaii Revised Statutes,] shall not be transported between the islands or from one part or locality of any island to another part or locality of the same island unless it has been subjected to an appropriate treatment[<u>that exterminates the pest</u>], as approved by the [chief]SPRO. Appropriate treatment may include, but is not limited to, pesticide or fumigation treatment. The [chief]SPRO may, however, authorize the transportation of an untreated infested [commodity]or infected pest host material to an island or location where the insect, disease, or pest is known to be established.

[(c) Specific commodities shall not be transported pursuant to their respective restrictions in §§ 4-72-6, 4-72-7, 4-72-8, 4-72-9, 4-72-10, 4-72-11, and 4-72-12.]

(c) Notwithstanding subsections (a) and (b) and section 3, plants, plant parts, soil, or pest host material infested or infected with an insect, disease, or pest may be transported without inspection between islands or between parts or localities of the same island:

(1) For diagnostics, research, testing, or educational purposes by the department; or

(2) Pursuant to a permit approved by the SPRO and issued to an institution approved by the board, a government agency, or a university for diagnostics, research, testing, or educational purposes at a site inspected and approved by the SPRO prior to movement. [Eff 7/13/81; am and comp 9/19/91; am and comp 2/24/12; am and comp ] (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

[<del>§4-72-4.5 Designation of infested areas;</del>

**expansion.** (a) The area of infestation as designated by rule, including interim rule, may be expanded by the board to reflect the spread of a specific pest infestation in order to implement quarantine measures to prevent movement of the pest and its plant or commodity hosts from the expanded area of infestation to restricted areas, provided that:

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- (1) The board first obtains advice from qualified persons with relevant expertise, but need not obtain advisory committee review;
- (2) The board designates the expanded infested area, identifying the revised geographical extent of the infestation;
- (3) The board's action occurs at a meeting on the island where the new infestation has occurred, following written notice of the proposed board designation to industry groups likely to be affected;
- (4) The department issues a press release and written notice of the designation of expansion of the infested area to affected industry groups prior to the effective date of designation of expanded infested area; and
- (5) Notice of the board's action, including its effective date, is posted by the following day on the department's website and is given in a daily or weekly publication of statewide circulation or in separate daily or weekly publications whose combined circulation is statewide within twelve days of the board's action.

(b) The board's designation of an expanded infested area shall be effective the day following the board's action, unless a later effective date is specified by the board's action. [Eff and comp 2/24/12] (Auth: HRS §§141-2, 150A-9, 150A-9.5) (Imp: HRS §§141-2, 150A-8)]

<u>S4-72-5</u> Prohibition on movement of infested material. (a) The SPRO may prohibit the movement of any pest host material that is offered for sale, for barter, or by donation or otherwise to be given away to the public if the SPRO determines that the pest host material is infested or infected with an insect, disease, or pest. The SPRO may compel treatment or destruction of the material per subsection (b). If such material was or is stored in an area that is infested or infected with an insect, disease, or pest,

then the SDRO may require appropriate treatment of the
then the SPRO may require appropriate treatment of the area prior to authorizing the movement of the
material.
(b) An item subject to the prohibition in
subsection (a) shall be:
(1) Subjected to a treatment to eradicate the
insect, disease, or pest, as approved and
supervised by the SPRO;
(2) Destroyed using a method approved and
supervised by the SPRO; or
(3) If not treated or destroyed under paragraphs
(1) or (2), then:
(A) Transported only pursuant to a permit
issued by the SPRO; or
(B) Subject to any other disposition
approved by the SPRO, including
authorizing the transportation of
untreated infested or infected pest
host material or an insect, disease, or
pest to an island or location where the
target insect, disease, or pest is
known to be established. [Eff and
$\frac{\text{comp}}{2} = \frac{1601}{2} + \frac{1601}{2} + \frac{1100}{2} + \frac{1000}{2} + $
2, 150A-9) (Imp: HRS §§141-2, 150A-8)

<u>§4-72-6</u> Restrictions on transport, harboring,

rearing,	or breeding of pests. (a) The transport,		
harboring	, rearing, or breeding of any pest is		
prohibite	d except:		
(1)	For diagnostics, research, testing, or		
	educational purposes by the department;		
(2)	Pursuant to a permit approved by the SPRO		
	and issued to an institution approved by the		
	board; or		
(3)	By a government agency, or a university for		
	diagnostics, research, testing, or		
	educational purposes at a site inspected and		
approved by the SPRO prior to movement.			
	[Eff 7/13/81; comp 9/19/91; am and comp		
	2/24/12; am and ren §4-72-6; and comp		
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] (Auth: HRS §§141-2, 150A-9, 150A-53) (Imp: HRS §§141-2, 150A-8, 150A-53)

§4-72-7 User permit and site inspection fees.

(a) A fee for the processing of an application and

- issuance of a permit under this chapter is as follows: (1) \$20 per permit for a single shipment within one year from the date of issuance;
  - (2) \$100 per permit for unlimited shipments within one year from the date of issuance; and
  - (3) All applicable fees shall be paid in full at the time of request and are non-refundable except as approved by the SPRO.

(b) In addition to the requirements of

subsection (a), a fee for a site inspection as required by this chapter or by permit conditions shall be \$25 per site inspection, plus mileage reimbursement. [Eff and comp ] (Auth: HRS §\$141-2, 150A-7.5, 150A-7.6, 150A-9) (Imp: HRS

\$\$141-2, 150A-9)

**§4-72-8 Inspection fees.** (a) Fees for inspections pursuant to this chapter are as follows:

- (1) A fee of \$50 for any inspection, safeguarding, witnessing treatment, or certification requiring the services of personnel beyond regular work hours, including applicable charges for overtime wages, fixed charges for personnel services, and meals as appropriate;
  - (2) A fee of \$50 per hour for any inspection conducted away from the port or department office during regular work hours pursuant to requirements for certification, interisland or intraisland movement, or disposition other than release at a port of arrival,

<u>such as witnessing departure, destruction,</u> <u>or treatment.</u> <u>(b) In addition to any fee required by</u> <u>subsection (a), all inspections shall include mileage</u> <u>reimbursement.</u> <u>(c) The person receiving the inspection shall be</u> <u>responsible for all costs, charges, treatment,</u> <u>destruction, or expenses incident to the inspection of</u> <u>the material, as appropriate.</u> [Eff and comp ] (Auth: HRS §\$141-2, 150A-7.5, 150A-9) (Imp: HRS §\$141-2, 150A-9)

§4-72-9 Economic loss or damages. The State

shall not be responsible for any economic loss or					
damages related to any actions by the department					
pursuant to this chapter. Actions include treatment,					
quarantine, or destruction of any item. [Eff and					
comp ] (Auth: HRS §\$141-2, 141-3, 141-5,					
150A-9) (Imp: HRS §§141-2, 141-3, 141-5, 150A-8)					

§4-72-10 Designation of infested areas;

expansion	. (a) If the infested area of a pest is				
designated	d by rule, including interim rule, that area				
may be exp	panded by an order of the board to reflect				
the spread	d of a specific pest infestation in order to				
implement	quarantine measures to prevent movement of				
the pest a	and its pest host material from the infested				
area to re	estricted areas, provided that:				
(1)	The board first obtains advice from				
qualified persons with relevant expertise,					
	but need not obtain advisory committee				
	review;				
(2)	The board designates the expanded infested				
area, identifying the revised geographical					
	extent of the infestation;				
(3)	The department issues a press release				
	describing the expansion of the infested				
	area prior to the effective date of				

designation of the expanded infested area; and

(4) Notice of the board's action, including its
effective date, is posted by the following
day on the department's website and is given
in a daily or weekly publication of
statewide circulation or in separate daily
or weekly publications whose combined
circulation is statewide, within twelve days
of the board's action.
(b) The board's designation of an expanded
infested area shall be effective the day following the
board's action, unless a later effective date is
specified by the board's action. [Eff and comp
2/24/12; am and ren \$4-72-10; and comp ]
(Auth: HRS §§141-2, 150A-9, 150A-9.5) (Imp: HRS

<u>§§141</u>-2, 150A-8)

§4-72-11 Penalties. Any person who violates any provision or requirement of this chapter or of any notice given pursuant thereto, shall be subject to the penalties provided for under section 150A-14, HRS, or section 141-7, HRS, if appropriate. [Eff and comp ] (Auth: HRS §§141-7, 150A-9, 150A-14) (Imp: HRS §§141-7, 150A-14)

§4-72-12 Scientific and common names. If the scientific name or common name of a taxon referred to in this chapter is changed to a new scientific name or common name accepted by the International Code of Zoological Nomenclature (ICZN) or the International Plant Names Index (IPNI) the reference in this chapter shall be construed to refer to the new scientific name or common name, as appropriate. [Eff and ] (Auth: HRS §§141-2, 150A-9) comp (Imp: HRS §§141-2, 150A-9)

**§4-72-13 Severability.** If any provision of this chapter is declared unconstitutional, or the applicability thereof to any person or circumstance is held invalid, the constitutionality and validity of the remainder of this chapter and applicability thereof to other persons and circumstances shall not be affected. [Eff and comp ] (Auth: HRS §§141-2, 150A-9) (Imp: HRS §§141-2, 150A-9)

# §4-72-14 Reserved.

# SUBCHAPTER 2

# INTRASTATE RESTRICTIONS

**§4-72-15 Examples of regulated pests**. Examples of [pests for the purposes of §4-72-4 shall] taxa that are pests include, but are not [be-]limited to the following:

- (1) Oriental beetle [<u>Anomala</u> <u>orientalis</u>] <u>Anomala orientalis</u> <u>(Waterhouse)</u>, a serious insect pest of sugarcane;
- (2) Fern weevil [<u>Syagrius</u> <u>fulvitarisis</u>] <u>Syagrius fulvitarisis</u> Pascoe, an insect pest injurious to fern plants;
- (3) Giant African snail [<u>Achatina</u> <u>fulica</u>]<u>Lissachatina fulica</u> (Bowdich), a serious pest of horticultural and vegetable crops;
- (4) Cactus mealybug [<u>Dactylopius</u> <u>opuntiae</u>]<u>Dactylopius opuntiae</u> (Cockerell) and other insects feeding on [<u>opuntia spp.</u> <u>Of</u>] <u>Opuntia species of</u> cactus, pests injurious to cactus utilized for forage or ornamental purposes;
- (5) Hunting billbug [Sphenophorus venatus

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vestitus]Sphenophorus venatus vestitus
    Chittenden, a serious insect pest of turf
    and range grasses;
(6) Coconut scale - [Aspidiotus
    destructor ] Aspidiotus destructor Signoret,
    a serious insect pest of palms, bananas,
    and more than 400 more plants;
(7) Sugarcane smut - [Ustilago
    Scitaminea ] Ustilago scitaminea Syd., a
    serious fungus disease of sugarcane;
(8)
   Papaya [mosaic]ringspot virus, a serious
    virus disease of papaya;
(9) Orange spiny whitefly - [Aleurocanthus
    spiniferus]Aleurocanthus spiniferus
    (Quaintance), a serious insect pest of
    rose and citrus;
(10) Bristly rose slug - [<del>Cladius</del>
    differmis [Cladius difformis (Panzar), a
    pest injurious to the rose plant;
(11) Croton whitefly - [Orchamplatus
    mammaeferus]Orchamoplatus mammaeferus
    (Quaintance and Baker), a serious insect
    pest of croton and citrus;
(12) Anthurium whitefly -
    [Aleurotulus] Aleurotulus [sp.] anthuricola
    Nakahara, a serious insect pest of
    anthurium;
(13) An anthurium whitefly - [Crenidorsum]
    Crenidorsum [sp.] aroidephagus Martin &
    Aquiar, a serious insect pest of anthurium,
    philodendron, and monstera;
(14) Eurasian pine aphid - [Pineus pini] Pineus
    pini [Koch] (Macquart), a serious insect
    pest of pine;
(15) Fiery skipper - [Hylephila
    phyleus]Hylephila phyleus (Drury), a
    serious pest of turf and pasture grasses
    and ornamental sedges;
(16) Taro root aphid - [Pemphigus] Pemphigus
    [sp.] populitransversus Riley, a serious
    pest of dryland taro; [and]
(17) Eucalyptus canker - [Cryphonectria
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<u>cubensis</u>]<u>Chrysoporthe cubensis</u> (Bruner)

<u>Gryzenh. & M.J. Wingf.</u> [Hodges], a serious

disease of [Eucalyptus]<u>Eucalyptus</u>

[spp.]species;
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- (18) <u>Giant salvinia Salvinia molesta</u> <u>Mitchell;</u>
- (19) Water spangles Salvinia minima Baker;
- (20) Water lettuce Pistia stratiotes L.;
- (21) <u>Fusarium wilt of banana Fusarium</u> oxysporum f. sp. cubense W.C. Snyder & H.N. Hansen;
- (22) Citrus huanglongbing Candidatus Liberibacter asiaticus Jagoueix, Bové & Garnier, responsible for citrus greening;
- (23) Palm lethal yellows Candidatus Phytoplasma palmae (16SrIV-A subgroup), responsible for lethal diseases of palm;
- (24) Colocasia bobone disease associated virus - Cytorhabdovirus colocasiae, a lethal pathogen associated with alomae bobone disease of taro;
- (25) Sweet potato virus disease Sweet potato chlorotic stunt virus, a lethal disease of sweet potato; and
- (26) Hala scale *Thysanococcus pandani* Stickney, a serious pest of hala, an environmentally and culturally significant indigenous plant;
- (27) Macadamia felted coccid Acanthococcus ironsidei (Williams, 1973), a detrimental pest to the macadamia nut industry in Hawaii;
- (28) Acalolepta aesthetica (Olliff), an invasive longhorn beetle that attacks many plant species;
- (29) <u>Two-lined spittlebug Prosapia bicincta</u> (Say), a serious pest of range grasses;
- (30) Citrus canker Xanthomonas citri subsp. citri, a serious disease of citrus;
- (31) <u>Citrus black spot Phyllosticta</u> <u>citricarpa (McAlpine) Aa, a serious disease</u> <u>of citrus; and</u>
- (32) Any taxa designated as a pest for control

or eradication pursuant to chapter 4-69A, including any taxa designated as a noxious weed pursuant to chapter 4-68. [Eff 7/13/81; am and comp 9/19/91; comp 2/24/12; am and ren \$4-72-15; and comp ] (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

§4-72-16 <u>Restrictions on sugarcane</u>. (a) Transportation of sugarcane plants and parts thereof including leaves, roots, and cuttings which are hosts of the oriental beetle and sugarcane smut disease shall be prohibited from an infested area to a restricted area for the oriental beetle and sugarcane smut disease except by permit pursuant to subsection (b).

(b) A permit may be issued by the [chief]SPRO to the [Hawaiian Sugar Planters' Association (HSPA)]Hawaii Agricultural Research Center (HARC) and to persons conducting research under the auspices of the [HSPA] HARC or a university or government agency for the transportation of a limited quantity of sugarcane plants and parts from an infested area to a restricted area for the oriental beetle or sugarcane smut disease. [Eff 7/13/81; comp 9/19/91; comp 2/24/12; am and ren §4-72-16; and comp ] (Auth: HRS §§141-2, 150A-9) (Imp: HRS §§141-2, 150A-8)

§4-72-17 Restrictions on soil, sand, and animal

**manure**. (a) Transportation of the following is prohibited from an infested island to a restricted island for the oriental beetle[-]:

 Soil, sand contaminated with visible amounts of soil, and animal manure in bulk shipment or in individual containers except by permit issued pursuant to subsection (b); and

- (2) A plant in soil, sand, or [artificial]soilless planting media except[;]:
  - (A) A plant from a certified nursery;
  - (B) A plant from a commercial nursery located 1/4 mile or further from a field planted in sugarcane;
  - (C) A plant that has been verified by an inspector as grown in a locality 1/4 mile or further from a field planted in sugarcane;
  - (D) A plant that has been treated with an appropriate soil pesticide;
  - (E) A plant that has been bare-rooted; or
  - (F) [Orchid p]Plants in cinders, hapuu or other artificial planting media.
- (b) Permits required pursuant to subsection

(a) (1) shall be issued by the [chief]SPRO under

- [either one of] the following circumstances:
  - (1) Fresh or composted animal manure that has not supported any plant growth from an area located 1/4 mile or further from any field planted in sugarcane; [or]
  - (2) Animal manure, soil, and sand contaminated with soil that has been fumigated, [<del>or</del>] treated with an appropriate pesticide[-,], or <u>subjected to a treatment</u>, as approved and witnessed by the SPRO; or
  - (3) For diagnostic purpose by an institution approved by the board, a university, or government agency. [Eff 7/13/81; comp 9/19/91; comp 2/24/12; am and ren \$4-72-17; and comp ] (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

# [<u>\$4-72-8 Restrictions on transport, harboring,</u> <u>rearing, or breeding of pests</u>. (a) The transport, harboring, rearing, or breeding of any pest defined in <u>\$150A-2</u>, Hawaii Revised Statutes is prohibited except under safeguards in an area infested by the pest

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involved for research, testing, or educational purposes by:
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(1) The plant pest control branch;

(2) An agency, school, or university via permit issued by the chief. [Eff 7/13/81, comp 9/19/91, am and comp 2/24/12] (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

§4-72-[9]18 Restrictions on dasheen and

**taro**[corms]. Transportation of dasheen and taro [corms] are prohibited from an infested island to a restricted island for taro root aphid except:

- Taro [corms\_] consigned to a poi factory or other food processing plant;
- (2) Dasheen and taro [corms\_] consigned to produce wholesalers, supermarkets, retail food stores, and restaurants;
- (3) Taro [corms-]verified as wetland taro; and
- (4) Taro consigned to individuals for food preparation with the corm's "huli" removed. [Eff 7/13/81; comp 9/19/91; comp 2/24/12; am and ren \$4-72-18 and comp ] (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

# $4-72-1[\theta]9$ Restrictions on papaya and cucurbit.

Transportation of papaya <u>Carica papaya</u> and cucurbit (plants in the family [<del>cucurbitaceae</del>)] <u>Cucurbitaceae</u>) plants and plant parts except seed and fruit are prohibited from an infested area to a restricted area for papaya [<u>mosaic</u>]<u>ringspot</u> virus disease. [Eff 7/13/81; comp 9/19/91; comp 2/24/12; am and ren §4-72-19; and comp ] (Auth: HRS §§141-2, 150A-9) (Imp: HRS §§141-2, 150A-8)

**§4-72-[11]20** <u>Restrictions on banana</u>. (a) Transportation of banana plants and plant parts except fruits is prohibited from the island of Oahu and from the North Kona and South Kona Districts on the island of Hawaii, which are banana bunchy top virus infested areas, or from a *Fusarium* tropical race 4 infested area, to other islands and localities within the State except by permit pursuant to subsection (b).

(b) A permit to allow transportation of banana plants and plant parts from an infested area may be issued by the [chief]SPRO subject to permit conditions established by the board to prevent the movement of banana bunchy top virus from banana bunchy top virus infested areas. The [chief]SPRO may, without submitting a permit application to the board, approve the issuance of a permit with conditions previously mandated by the board upon the [chief]SPRO's determination that, for the proposed transport, the previously established conditions are adequate to preserve the quarantine. [Eff 7/13/81; comp 9/19/91; am 4/13/98; am and comp 2/24/12; ren §4-72-20; and comp 1 (Auth: HRS \$\$141-2, 150A-9) (Imp: HRS \$\$141-2, 150A-8)

§4-72-21[2] <u>Restrictions on coffee</u>. (a) Transportation of coffee plants and parts thereof, including unroasted seeds (green coffee beans), used coffee bags, and coffee harvesting equipment, including baskets, sacks, or containers, is prohibited from a coffee berry borer infested area to a coffee berry borer restricted area except by permit pursuant to subsection (b).

(b) A permit may be issued by the [chief]SPRO for the transportation of a commodity or item listed in subsection (a), with conditions established by the [chief]SPRO appropriate for each of the following circumstances:

(1) Coffee plants and plant parts for propagation when subject to treatment with an approved pesticide, and grown and monitored in quarantine for a period of not less than one year at a [s]State facility or other facility approved by the SPRO;

- (2) Coffee plants and plant parts that have been shipped using safeguards approved by the [chief]SPRO to an approved facility for research purposes;
- (3) Roasting of green coffee beans that have been subjected to treatments approved by the [chief]SPRO;
- (4) Roasting of untreated green coffee beans that have been shipped using safeguards approved by the [chief]SPRO to an approved facility that is located at least 5 miles away from a commercial coffee growing area;
- (5) Used coffee bags that have been subjected to treatments approved by the [chief]SPRO; or
- (6) Coffee harvesting equipment that has been subjected to treatments approved by the [chief]SPRO.

(c) The [chief]SPRO is authorized to approve treatments and mitigative measures as they are scientifically validated and may revise permit conditions accordingly, as necessary to prevent movement of the coffee berry borer from the infested area and to preserve the quarantine. Organic treatment methods are available, as approved by the [chief]SPRO.

(d) Coffee plants, plant parts, green coffee beans, and used coffee bags for export are not subject to quarantine restrictions, provided that they are exported directly from the coffee berry borer infested area and are not transshipped through a coffee berry borer restricted area in the State. Coffee plants, plant parts, green coffee beans, and used coffee bags for export that move from one infested area to another or that are exported via transshipment through a coffee berry borer restricted area must be doublebagged in thick, transparent, non-permeable plastic bags that are sealed and labeled to identify their contents as being from a specific coffee berry borer infested area, provided that the [chief]SPRO is authorized to revise these required safequards, as necessary.

(e) The island of Hawaii is designated as a coffee berry borer infested area, notwithstanding ongoing control projects on the island, and other islands in the State are designated as coffee berry borer restricted areas. The designated coffee berry borer infested area may be expanded by board action as provided in [ $\frac{94-72-4.5}{150}$ ] section 10. [Eff and comp 2/24/12; am and ren  $\frac{94-72-21}{100}$ ; and comp ] (Auth: HRS  $\frac{9141-2}{150}$ , 150A-9) (Imp: HRS  $\frac{9141-2}{150}$ , 150A-8)

§4-72-[13]22 Quarantine restrictions on ohia and soil from rapid ohia death infested areas. (a) The board has determined that the disease called ohia wilt (also known as rapid ohia death) presents a serious danger to ohia (*Metrosideros*), the ohia forests of Hawaii, and horticultural and agricultural industries.

(b) Transportation of soil and ohia (Metrosideros, all species in genus) plants, plant parts, including flowers, leaves, seeds, stems, twigs, cuttings, mulch, greenwaste, frass, wood, logs, and posts is prohibited from a rapid ohia death infested area to a rapid ohia death restricted area except as allowed by permit pursuant to subsection (c), or as otherwise provided herein.

(c) A permit may be issued by the [chief]SPRO for the transportation of a material or commodity listed in subsection (b), subject to laboratory analysis or other science-based method approved by the [chief]SPRO, as appropriate, to determine whether the material or commodity is free of [the fungus, Ceratocystis fimbriata, ]the causal agents of ohia wilt disease, <u>Ceratocyctis lukuohia and C.</u> <u>huliohia</u>, and subject to appropriate conditions established by the [chief]SPRO.

(d) Material or a commodity listed in subsection
 (b) that tests positive for *Ceratocystis* [*fimbriata*]
 *lukuohia* or *C. huliohia*, other than material or a
 commodity for research or diagnostic purposes, shall
 not be shipped from a rapid ohia death infested area

to a rapid ohia death restricted area, nor shall any material or commodity in the same lot for shipment be shipped, unless an effective treatment to destroy *Ceratocystis* [*fimbriata*]*lukuohia* and *C. huliohia* is available, is approved by the [chief]SPRO, and the shipment has been subjected to the approved treatment.

(e) Transportation of a material or commodity listed in subsection (b) for research or diagnostic purposes moving from a rapid ohia death infested area to a rapid ohia death restricted area of the State, shall be under permit, using safeguards approved by the [chief]SPRO, to [an approved] a facility[.] inspected and approved by the SPRO prior to transport.

(f) Soil, including soil as a planting medium, may be shipped from a rapid ohia death infested area to a rapid ohia death restricted area of the State subject to pre-shipment testing as provided in subsection (c) and, if applicable, subject to treatment as provided in subsection (d). A shipper of soil that is an active participant in the department's intrastate compliance agreement program in which the shipper is required to maintain *Ceratocystis* [*fimbriata-free*]*lukuohia* and *C. huliohia-free* status as a condition for soil movement from an infested area is subject to testing as required by the compliance agreement and permit.

(g) Finished ohia wood products, such as wood flooring, furniture, bowls, picture frames, carvings, and jewelry that have been subjected to a treatment approved by the [chief] SPRO do not require a permit for intrastate transportation.

(h) The [chief]SPRO is authorized to approve treatments and mitigative measures as they are scientifically validated and may revise permit conditions accordingly, as necessary to prevent movement of ohia wilt disease from the infested area and to preserve the quarantine.

(i) The island of Hawaii is designated as a rapid ohia death infested area, notwithstanding any ongoing control projects on the island, and other islands in the State are designated as rapid ohia

death restricted areas. The designated rapid ohia death infested area may be expanded by board action as provided in [\$4-72-4.5.] section 10.

(j) The shipper is responsible for all costs, charges, or expenses incident to the inspection or treatment of the soil and ohia material or commodity listed in subsection (b), including charges for overtime wages, fixed charges for personnel services, and meals. [Eff and comp 11/27/16; am and ren §4-72-22; and comp ] (Auth: HRS §§141-2, 150A-9) (Imp: HRS §§141-2, 150A-8)

<u>§4-72-23 Quarantine restrictions on coconut</u>	
rhinoceros beetle and host material. (a) The board	
has determined that the coconut rhinoceros beetle,	
Oryctes rhinoceros (CRB), presents a serious danger t	20
the horticultural and agricultural industries and the	5
forests of Hawaii.	
(b) As used in this section:	
(1) "CRB host material" means the host material	L
of the coconut rhinoceros beetle; and	
(A) Includes decaying plant material,	
mulch, trimmings, fruit and vegetative	5
scraps, wood, stumps, compost, and CRE	3
host palms; and	
(B) Does not include:	
(i) Plant products intended for	
consumption, such as coconuts,	
fruits, nuts, edible leaves,	
leaves used for cooking, and	
spices;	
(ii) Plant products preserved from	
decay by treatment or use, such a	lS
lumber, woven hats, dried and	
painted coconuts, wooden posts,	
wood carvings, and firewood;	
(iii) Seeds for planting,	
(iv) New and unused commercially bagge	ed
plant propagation media or	
landscaping materials that have	

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not been staged or stored in an infested area for more than 30 days;

- (v) Cut flowers and foliage for decoration, such as lei, floral bouquets, or arrangements;
- (vi) Plant propagation media in live plantings (except when used as propagative material for CRB host palms);
- (vii) Live propagative plants (except CRB host palms); and
- (viii) Rock, coral, sand, and gravel.
- (2) "CRB host palms" means all live palm plants in the genera Cocos, Livistona, Phoenix, Pritchardia, Roystonea, and Washingtonia and does not include unsprouted seeds.
- (3) "Transport" means movement of CRB host material out of a single Tax Map Key (TMK) parcel.

(c) The coconut rhinoceros beetle infested area is designated as the island of Oahu and any other area of the State per section 10.

(d) Except as provided in subsection (e), no person may transport coconut rhinoceros beetle host material from a coconut rhinoceros beetle infested area to a coconut rhinoceros beetle restricted area within the State or, transport, receive (accept delivery of CRB host material for any purpose), process (meaning the conversion of solid waste into a useful product or preparing for its disposal), sell, barter, donate or otherwise give away, or export CRB host material within a coconut rhinoceros beetle infested area except:

- (1) By the department or an agent of the department for the purposes of monitoring, control, eradication, or scientific or educational purposes;
- (2) Pursuant to a permit issued by the department for purposes of coconut rhinoceros beetle monitoring, control, eradication, or scientific or educational

purp	poses	at	а	site	inspected	and	approved	by
the	SPRO	pr	ioi	r to t	transportat	tion	•	

- (3) Pursuant to a permit issued by the SPRO for noncommercial activities, subject to an appropriate treatment or mitigation, as required by the SPRO;
- (4) Pursuant to a compliance agreement issued by the department for commercial activities; or
- (5) Nursery stock that is directly exported from a coconut rhinoceros beetle infested area to a destination outside of the State.

(e) The SPRO is authorized to exempt from the requirements of subsection (d) categories of CRB host material, and activities involving CRB host material that pose a low risk of spreading CRB. [Eff and comp ] (Auth: HRS §\$141-2, 150A-9) (Imp: HRS §\$141-2, 150A-8)

2. Material, except source notes, to be repealed is bracketed. New material is underscored.

3. Additions to update source notes to reflect these amendments are not underscored.

4. These amendments to chapter 4-72, Hawaii Administrative Rules, shall take effect ten days after filing with the Office of the Lieutenant Governor.

I certify that the foregoing are copies of the rules, drafted in Ramseyer format pursuant to the requirements of section 91-4.1, Hawaii Revised Statutes, which were adopted on \_\_\_\_\_\_, and filed with the Office of the Lieutenant Governor.

Chairperson, Board of Agriculture

APPROVED AS TO FORM:

Deputy Attorney General

# **III. NEW BUSINESS**

C. Discussion and Action on the Proposed Amendments to HAR Title 4 Chapter 71A,
Plant and Non-Domestic Animal Quarantine, Microorganism Import Rules, promulgated by DoAG

PRE-PUBLIC HEARING SMALL BUSINESS IMPACT STATEMENT
TO THE SMALL BUSINESS REGULATORY REVIEW BOARD
(Hawaii Revised Statutes §201M-2) Date:5/9/2023
Department or Agency: Hawaii Department of Agriculture
Administrative Rule Title and Chapter: <u>Title 4 - Department of Agriculture, Chapter 71A</u>
Chapter Name: Plant and Non-Domestic Animal Quarantine, Microorganism Import Rules
Contact Person/Title: Jonathan Ho, Acting Manager
E-mail:jonathan.k.ho@hawaii.govPhone: <u>808-832-0571</u>
A. To assist the SBRRB in complying with the meeting notice requirement in HRS §92-7, please attach a statement of the topic of the proposed rules or a general description of the subjects involved.
B. Are the draft rules available for viewing in person and on the Lieutenant Governor's Website pursuant to HRS §92-7?       Yes    No      If "Yes," provide details: <a href="https://hdoa.hawaii.gov/blog/main/proposed-administrative-rules/">https://hdoa.hawaii.gov/blog/main/proposed-administrative-rules/</a>
I. Rule Description: New Repeal ✓ Amendment ✓ Compilation
II. Will the proposed rule(s) affect small business? Yes Ves No (If "No," no need to submit this form.)
<ul> <li>* "Affect small business" is defined as "any potential or actual requirement imposed upon a small business that will cause a direct and significant economic burden upon a small business, or is directly related to the formation, operation, or expansion of a small business." HRS §201M-1</li> <li>* "Small business" is defined as a "for-profit corporation, limited liability company, partnership, limited partnership, sole</li> </ul>
proprietorship, or other legal entity that: (1) Is domiciled and authorized to do business in Hawaii; (2) Is independently owned and operated; and (3) Employs fewer than one hundred full-time or part- time employees in Hawaii." HRS §201M-1
III. Is the proposed rule being adopted to implement a statute or ordinance that does not require the agency to interpret or describe the requirements of the statute or ordinance? Yes No (If "Yes" no need to submit this form. E.g., a federally-mandated regulation that does not afford the agency the discretion to consider less restrictive alternatives. HRS §201M-2(d))
IV. Is the proposed rule being adopted pursuant to emergency rulemaking? (HRS §201M-2(a)) Yes No (If "Yes" no need to submit this form.)
* * *

# If the proposed rule affects small business and are not exempt as noted above, please provide a reasonable determination of the following:

1. Description of the small businesses that will be required to comply with the proposed rules and how they may be adversely affected.

The change in list placement from the List of Restricted Microorganisms Part to the List of Nonrestricted Microorganisms allows for importation of Beauveria bassiana strain ANT-03, which would allow importation as a microbial product/biopesticide. This would allow use and sale in the state giving farmers additional pest control options.

2. In dollar amounts, the increase in the level of direct costs such as fees or fines, and indirect costs such as reporting, recordkeeping, equipment, construction, labor, professional services, revenue loss, or other costs associated with compliance.

The cost to register a microbial product is \$150.00 annually. There are no changes to these costs.

If the proposed rule imposes a new or increased fee or fine:

a. Amount of the current fee or fine and the last time it was increased.

n/a

b. Amount of the proposed fee or fine and the percentage increase.

n/a

c. Reason for the new or increased fee or fine.

n/a

d. Criteria or methodology used to determine the amount of the fee or fine (i.e., Consumer Price Index, Inflation rate, etc.).

n/a

3. The probable monetary costs and benefits to the agency or other agencies directly affected, including the estimated total amount the agency expects to collect from any additionally imposed fees and the manner in which the moneys will be used.

The change in list placement would enable registration, and each product could be registered at \$150.00 per product per year. As this strain is not widespread, the expected revenue is likely less then \$1,000.00 annually.

4. The methods the agency considered or used to reduce the impact on small business such as consolidation, simplification, differing compliance or reporting requirements, less stringent deadlines, modification of the fines schedule, performance rather than design standards, exemption, or other mitigating techniques. Registration fees for microbial products are pursuant to Chapter 150A 7.6, HRS.

- The availability and practicability of less restrictive alternatives that could be implemented in lieu of the proposed rules.
   Placement on the List of Nonrestricted Microorganisms is the only way to allow importation and subsequent registration as a microbial product.
- Consideration of creative, innovative, or flexible methods of compliance for small businesses. The businesses that will be directly affected by, bear the costs of, or directly benefit from the proposed rules.
   Companies that import and sell the microbial product stand to benefit as it is currently not

allowed for imporation/sale in the state. Farmers/agricultural producers who use the products for pest control will have another treatment option, which may be more cost effective then existing measures, increasing yields and likely sales.

- 7. How the agency involved small business in the development of the proposed rules. This request was reveiwed by the Advisory Committee on Plants and Animals and the Hawaii Board of Agriculture at their publicly noticed meetings held on December 10, 2021 and January 25, 2022 respectively.
  - a. If there were any recommendations made by small business, were the recommendations incorporated into the proposed rule? If yes, explain. If no, why not.

n/a

8. Whether the proposed rules include provisions that are more stringent than those mandated by any comparable or related federal, state, or county standards, with an explanation of the reason for imposing the more stringent standard.

There are no similar federal, state, or county standards that are similar. The rules are designed to regulate the importation of known cultures of microorganisms to manage risks to agriculture, the environment, and public and animal health and safety.

If yes, please provide information comparing the costs and benefits of the proposed rules to the costs and benefits of the comparable federal, state, or county law, including the following:

- a. Description of the public purposes to be served by the proposed rule. n/a
- b. The text of the related federal, state, or county law, including information about the purposes and applicability of the law.
   n/a
- c. A comparison between the proposed rule and the related federal, state, or county law, including a comparison of their purposes, application, and administration.
- d. A comparison of the monetary costs and benefits of the proposed rule with the costs and benefits of imposing or deferring to the related federal, state, or county law, as well as a description of the manner in which any additional fees from the proposed rule will be used.
- e. A comparison of the adverse effects on small business imposed by the proposed rule with the adverse effects of the related federal, state, or county law.

n/a

\* \* \*

Small Business Regulatory Review Board / DBEDT Phone: (808) 586-2594 / Email: <u>DBEDT.sbrrb.info@hawaii.gov</u> This Statement may be found on the SBRRB Website at: http://dbedt.hawaii.gov/sbrrb/resources/small- business-impact-statements

#### LIST OF RESTRICTED MICROORGANISMS PART A

Date (month day, year)

SCIENTIFIC NAME

#### FUNGI

Aethalia - all species in genus Albugo - all species in genus Alternaria - all species in genus except: A. alternata A. geophilia Allomyces - all species in genus Amanita muscaria Amanita rubescens Angiosporus solani Aphanomyces - all species in genus Armillaria - all species in genus Ascobolus stercorarius Ascochyta - all species in genus Aspergillus - all species in genus except: A. candidus A. clavatus A. cremeus A. flavipipes A. flavus A. fumigatus A. glaucus A. nidulans A. ochraceus A. niger A. restrictus A. terreus A. ustus A. versicolor A. wentii Asperisporium - all species in genus Beauveria - all species in genus except: B. bassiana ANT-03 Bipolaris - all species in genus except: B. hawaiiensis Botryodiplodia - all species in genus Botryosphaeria - all species in genus Botrytis - all species in genus Bremia - all species in genus Calonectria - all species in genus Ceratocystis - all species in genus Cercospora - all species in genus

*Cercosporella* - all species in genus *Choanephora* - all species in genus *Cionothrix* - all species in genus

#### LIST OF NONRESTRICTED MICROORGANISMS

Date (month day, year)

SCIENTIFIC NAME

#### FUNGI

Absidia coerulea Absidia corymbifera Absidia ramosa Absidia spinosa Acremonium falciforme Acremonium kiliense Acremonium recifei Acremonium vitis Agaricus bitorquis Agaricus bisporus Agaricus campestris Agaricus sp. (Portabello mushroom) Alternaria alternata Alternaria geophilia Apiotrichum humicola Arthrobotrys - all species in genus Aspergillus candidus Aspergillus clavatus Aspergillus cremeus Aspergillus flavipipes Aspergillus flavus Aspergillus fumigatus Aspergillus glaucus Aspergillus nidulans Aspergillus niger Aspergillus ochraceus Aspergillus restrictus Aspergillus terreus Aspergillus ustus Aspergillus versicolor Aspergillus wentii Asteromyces cruciatus Aureobasidium pullulans Auricularia polytricha

### <u>Beauveria bassiana ANT-03</u> Bipolaris hawaiiensis

Blastomyces dermatitidis Blastoschizomyces capitatus Boletus californicus Boletus granulatus Boletus luteus Amendment and Compilation of Chapter 4-71A Hawaii Administrative Rules

Date (month day, year)

1. Chapter 4-71A, Hawaii Administrative Rules entitled "Plant and Non-Domestic Animal Quarantine Microorganism Import Rules, Chapter 71A Hawaii Administrative Rules", is amended and compiled to read as follows:

## HAWAII ADMINISTRATIVE RULES TITLE 4

DEPARTMENT OF AGRICULTURE SUBTITLE 6

### DIVISION OF PLANT INDUSTRY CHAPTER

71A

PLANT AND NON-DOMESTIC ANIMAL QUARANTINE

MICROORGANISM IMPORT RULES

Subchapter 1 General Provisions

§4-71A-1	Objective
§4-71A-2	Definitions
§4-71A-3	Importation of microorganisms,
	generally
§4-71A-4	Request for importation
§4-71A-5	Application review
§4-71A-6	Permits requiring board action
§4-71A-7	Processing permit applications
	requiring board action
§4-71A-8	Pre-entry requirements
§4-71A-9	Inspection upon entry
§4-71A-10	Site inspection
§4-71A-11	Permits
§4-71A-12	Emergency permits
§4-71A-13	Permit amendment
§4-71A-14	Permit cancellation
§4-71A-15	Permit renewal
	71A-1

§4-71A-16	Post-entry inspections
§4-71A-17	List amendment by order
§4-71A-18	Maximum time period for permit
	approvals, disapprovals, extensions,
	or automatic approvals
§4-71A-19	User fees
§4-71A-20	Violations
Subchapte	r 2 Introduction of
	Microorganisms
\$4-71A-21	List of restricted microorganisms, Part A
§4-71A-22	
94-/1A-22	List of restricted microorganisms, Part B
§4-71A-23	List of select human pathogens
§4-71A-24	List of nonrestricted microorganisms
§4-71A-25	Unlisted microorganisms

Subchapter 3 Permit conditions

\$4-71A-26	Permit com	ndition	S
§4-71A-27	Standard p	permit	conditions

\$4-71A-28 Supplemental permit conditions

Subchapter 4 Introduction of Microbial Products

§4-71A-29	Introduction of a micro	obial product
S1 717 20	Migrophial product rogi	atration

- \$4-71A-31 Conditions of registration
- \$4-71A-32 Registration renewal
- §4-71A-33 Cancellation of registration
- \$4-71A-34 Import of a microbial product under trade secret claim

Historical note: Chapter 4-71A is based substantially upon chapter 4-71, HAR, entitled "Nondomestic Animal and Microorganism Import Rules". [Eff. 7/13/81; am and comp 9/19/91; comp 2/21/92; am and comp 9/13/93; comp 1/30/95; am and comp 8/16/99] DRAFT

§4-71A-2

### SUBCHAPTER 1

#### GENERAL PROVISIONS

\$4-71A-1 Objective. The board, while mindful of the benefit to the State of allowing import of microorganisms for purposes such as scientific and medical research, biotechnology and commerce, recognizes the concomitant necessity for regulating importation of microorganisms in order to protect important State interests. The objective of this chapter is to implement the requirements of chapter 150A, HRS, with respect to microorganisms by regulating the importation of specific microorganisms that are detrimental or potentially harmful to agriculture, horticulture, animal or public health, or natural resources, including native biota, or have an adverse effect on the environment as determined by the board of agriculture. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-2 <u>Definitions</u>. As used in the chapter: "Advisory subcommittee" means one of the advisory subcommittees on entomology, invertebrate and aquatic biota, land vertebrates, plants, algae, bacteria, fungi, protozoa, or viruses appointed by the chairperson pursuant to section 150A-10, HRS;

"Applicant" means a person who has submitted an application for import or possession of a microorganism or both through permit or other official document authorizing import under this chapter and has paid the applicable fee;

"Board" means the board of agriculture of the department of agriculture;

"Branch" means the plant quarantine branch;

"Chief" means the chief or manager of the plant quarantine branch or a department employee designated by the chief or chairperson;

"Completed permit application" means a permit application submitted by an applicant on the form \$4-71A-2

provided by the department and which contains the required information adequate, in the chief's judgment, for review by the department, and if appropriate, by the advisory subcommittee(s), advisory committee, and board of agriculture;

"Department" means the department of agriculture;

"High risk microorganism" means a microorganism the import of which has been determined to be highly likely to cause significant harm to agriculture, horticulture, the environment, or animal or public health, in the absence of appropriate restrictions or safeguards;

"Importer" means a person who receives for transport or brings or causes to be brought to the State in any manner, any microorganism for the purpose of debarkation or entry;

"Label" means the written, printed, or graphic matter on or attached to the outside of the container of microorganisms with the required markings to cause inspection of the microorganism contained in the shipment;

"Letter of authorization" means an official document in lieu of an import permit or microbial product registration issued by the branch authorizing a specific unlisted microorganism species determined to be a low risk microorganism to enter the State;

"Low risk microorganism" means a microorganism species that is most likely already present in Hawaii, the import of which is not likely to cause additional harm to agriculture, horticulture, the environment, or animal or public health in the absence of restrictions or safeguards, or for which department-imposed restrictions other than the notification, labeling, and inspection requirements of this chapter are not likely to reduce any risks that may be associated with import of the microorganism;

"Microbial product" means a manufactured product containing known cultures of microorganisms for the purpose of bioremediation or bioaugmentation, including a product such as a microbial pesticide;

"Microorganism" means any unicellular microscopic organism including but not limited to algae, bacteria,

fungi, protozoa, and viruses;

"Moderate risk microorganism" means a microorganism the import of which has been determined to potentially cause harm to agriculture, horticulture, the environment, or animal or public health, in the absence of appropriate restrictions or safeguards;

"Nonrestricted microorganisms" means any microorganism on the list of nonrestricted microorganisms required to be maintained pursuant to section 150A-6.3 HRS;

"Permit" means a written document issued by the branch to allow the introduction and possession of a microorganism subject to permit conditions established by rule or the board;

"Permittee" means any person that has applied for and been granted a permit for the introduction and possession of a microorganism under this chapter;

"Person" means any individual, agency, firm, corporation, association, institution, or partnership or any organized group of persons whether incorporated or not;

"Recombinant DNA" means molecules that are constructed outside living cells by joining natural or synthetic deoxyribonucleic acid (DNA) segments to DNA molecules that can replicate in a living cell, or molecules that result from the replication of those described herein;

"Restricted microorganism" means any microorganism on the list of restricted microorganisms required to be maintained pursuant to section 150A-6.3 HRS;

"Registration" means the process required for import of microbial products containing certain strains of nonrestricted microorganisms;

"Select human pathogens" means species of microorganisms that present high risk to public health and which have oversight by the Centers for Disease Control and Prevention under 42 United States Code of Federal Regulations, section 72.6;

"Site inspection" means department inspection of the facility, equipment, records pertaining to the

microorganisms imported under permit, as well as procedures to contain the microorganism;

"Unlisted microorganism" means any microorganism not on the lists of nonrestricted or restricted microorganisms or on the list of select human pathogen microorganisms required to be maintained pursuant to section 150A-6.3, HRS. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-3 <u>Importation of microorganisms</u>, <u>generally</u>. (a) The introduction into Hawaii of any microorganism shall require, at a minimum, a request for import, approval for the import in advance of shipment, and compliance with the notification, labeling, and inspection requirements of sections 4-71A-4, 4-71A-8, and 4-71A-9. Failure to comply with these requirements is sufficient cause for refusal to allow entry of the microorganism into the State.

(b) In addition to the requirements of subsection (a), import into Hawaii and possession of a microorganism is allowed only as provided below for each respective category and requires:

- A written request for import pursuant to section 4-71A-4 and as provided in section 4-71A-24, for a microorganism species on the list of nonrestricted microorganisms;
- (2) A permit, for a microorganism species on the list of restricted microorganisms, Part A or Part B, as provided in sections 4-71A-4, 4-71A-7 and, as applicable, sections 4-71A-21 and 4-71A-22;
- (3) A special permit or letter of authorization, according to risk level, for an unlisted microorganism species, as provided in section 4-71A-4 and 4-71A-25;
- (4) An emergency permit, for an unlisted microorganism species or a microorganism species on the list of restricted microorganisms in an emergency or disaster situation, as provided in section 4-71A-12; and

(5) Notification to the department of health of entry for possible department of health inspection and monitoring, for a microorganism species on the list of select human pathogens, as provided in section 4-71A-23.

(c) Importation of microbial products shall be subject to the requirements of subsection (a) and subchapter 4. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-4 <u>Request for importation.</u> (a) Except as otherwise provided for microbial products, a request to import a microorganism species, regardless of whether listed for import or unlisted, shall be submitted to the chief with the following information:

- Importer's reason for importing the specific microorganism into the State;
- (2) A request that the department inspect the microorganism upon arrival in the State;
- (3) An agreement to be responsible for all costs, charges, or expenses incident to the inspection or treatment of the imported microorganisms;
- (4) A waiver of all claims for damages incident to the inspection or the fumigation, disinfection, quarantine, or destruction of the microorganism, if any treatment is deemed necessary;
- (5) Name, complete address, telephone, and facsimile numbers of the shipper and importer;
- (6) Quantity, common and scientific names (genus and species names unless not yet classified) of each microorganism;
- (7) Description of each species of microorganism including whether or not the microorganism is a recombinant DNA strain;
- (8) Mode of transportation; and
- (9) Approximate date of arrival.
- (b) A request to import into Hawaii and possess

a microorganism species on the restricted list, Part B, for the purposes described in section 4-71A-22(c)(1), (2) and (3), shall include, in addition to the information required in subsection (a), the following:

- Description of the proposed use of the microorganism, including whether or not inoculation studies will be done;
- (2) Description and location of the facility, and description of the equipment and procedures that will be used to contain the microorganism, including a floor plan or blueprint of the facility or both that addresses:
  - (A) Design and construction;
  - (B) Work and storage areas;
  - (C) Equipment such as biosafety cabinets, autoclaves, freezers, incubators, holding tanks, generators;
  - (D) Plumbing system such as sinks, drains, effluent treatment and discharge systems;
  - (E) Air-handling system such as air conditioning, supply and exhaust air system, and types and placement of filters; and
  - (F) Biosafety procedures.
- (3) Explanation of the method for destroying and disposing of the microorganism;
- (4) Statement as to whether or not the use of the microorganism is subject to federal, county or state requirements other than the department's;
- (5) The material safety data sheet, product label, and product information sheet;
- (6) Importer's qualification and previous experience working with the requested microorganism, including documentation to confirm relevant education, employment, and previous experience; and
- (7) Any other pertinent documented information required by the chief.

(c) A request to import an unlisted microorganism or a microorganism that requires board action shall include the information required in subsections (a) and (b), as well as the following additional information:

- Description of the microorganism including information on its taxonomic classification, natural habitat, geographic range or niche requirements, temperature requirements, host range, and dispersal capabilities; and
- (2) Analysis of the microorganism's potential impact on Hawaii's environment, agricultural, horticultural and aquacultural industries, and animal and human health, in the event the microorganism escapes or is released into the environment.

(d) Failure to provide the information requested and to complete the application as required in this section shall be sufficient cause for denial of the request for import. [Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

\$4-71A-5 Application review. (a) Upon receipt of a completed application for import of a nonrestricted microorganism species from cultured stock or a select human pathogen microorganism species, the branch shall verify the list placement of the requested microorganism and, if appropriate under section 4-71A-24 and 4-71-23, respectively, shall give permission to import without permit, fee, or board review, subject to satisfaction of pre-entry and inspection requirements.

(b) The chief, without submitting a permit application to the board, may approve or disapprove the issuance of a permit for import of a microorganism other than one listed in section 4-71A-6(1)-(5), based on a past board decision relating to the same species and strain of microorganism if the current application presents substantially the same circumstances of importation, provided that the respective permit conditions previously established by the board shall

apply if the permit is approved.

(c) A permit application for import of a microorganism species that was previously disapproved by the board may be resubmitted for board action as provided in section 4-71A-7 upon determination by the chief that conditions for importation are substantially different from the previously disapproved request. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

\$4-71A-6 Permit applications requiring board action. Board action, as well as prior review by the advisory subcommittee(s) and the advisory committee on plants and animals pursuant to section 4-71A-7, are required for requests to import the following:

- A microorganism species on the list of restricted microorganisms (Part A);
- (2) A microorganism species on the list of restricted microorganisms (Part B) or an unlisted microorganism if either are to be imported for purposes other than those described in subsections 4-71A-22(c)(1),(2), or (3);
- (3) A strain of a microorganism on the list of restricted microorganisms (Part B) that is likely to increase the risk level above that of a moderate risk microorganism;
- (4) An unlisted microorganism species determined by the department to be a high risk microorganism; and
- (5) Any microorganism species not from cultured stock. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-7 Processing permit applications requiring board action. (a) The applicant shall provide the chief with seven copies of the application together with information required by section 4-71A-4. (b) The chief shall compile the information

submitted by the applicant and send it to the members

of the appropriate advisory subcommittee(s) for review.

(c) The comments and recommendations of the advisory subcommittee(s) shall be compiled and sent to the advisory committee on plants and animals for review.

(d) The comments and recommendations of the advisory subcommittee(s), the advisory committee on plants and animals, including the committee's votes, and of the chief shall be compiled and submitted to the board at its regular scheduled meeting.

(e) The board shall take action to approve or disapprove the permit application.

(f) The board may impose permit conditions including but not limited to, time, place, location, use, special precautions, health requirements, and requirements for safeguarding the microorganism from escape, unauthorized release, or theft, as well as any applicable requirements of municipal, state, or federal law. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-8 <u>Pre-entry requirements.</u> (a) The importer is responsible for assuring that all parcels or containers of microorganisms for import are marked as follows:

- (1) Any microorganism imported into Hawaii by mail or air express as individual parcels shall be plainly and legibly marked on the outer packaging, "Live Organism" and "This Parcel May be Opened and Delayed for Agriculture Inspection. Infectious microorganisms affecting humans and animals shall be packaged and labeled or marked in accordance with the transport requirements of the U.S. Department of Transportation 49 CFR Parts 171-180 and the U.S. Department of Health and Human Services 42 CFR part 72; or
  - (2) Any microorganism imported into Hawaii by means other than in subsection (a)(1), shall be accompanied by a bill of lading, waybill

or other shipping document that is plainly and legibly marked "Agriculture Inspection Required".

(b) Any microorganism imported into Hawaii by mail or any other means, shall be accompanied by an invoice, packing list or other document indicating the quantity and scientific name of each microorganism or the name of each microbial product contained in the shipment. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-9 Inspection upon entry. (a) All microorganisms shall enter the State through the port of Honolulu except that the chief may, in the chief's discretion, allow import of a microorganism through another port in order to avoid unnecessary delay and expense when the shipment has been misrouted there through no fault of the importer, provided that the department's pre-entry inspection can be adequately carried out at the alternate port.

(b) The importer or transportation company, as applicable, shall notify the chief, in writing, immediately upon arrival of the microorganism, of the arrival, giving the following information:

- Waybill number;
- (2) Container number;
- (3) Name and address of the consignor;
- (4) Name and address of the consignee or the consignee's agent in the State;
- (5) Number of packages;
- (6) Description of contents of each package;
- (7) Port of entry; and
- (8) Other pertinent information determined necessary by the chief.

(c) The microorganism shall be held at the approved port of entry for inspection by the department.

(d) Upon inspection, the microorganism may be refused entry, seized, held in quarantine, disinfected, treated chemically or manually, or destroyed at the expense of the importer, as

appropriate in the department's discretion, for any of the following:

- (1) No valid permit;
- (2) No invoice or other documentation required to enter the State;
- (3) Damaged or leaking parcel; or
- (4) Shipment infested with a pest.

(e) The importer is responsible for all costs, charges, expenses, damages, or losses incident to the inspection, treatment, disinfection, quarantine, destruction, of a microorganism, if treatment is deemed necessary. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-10 <u>Site Inspection.</u> (a) Site inspection and approval by the department are required before a permit is issued.

(b) The site shall be in compliance with the following:

- Use, facility, equipment, procedures, and safeguards proposed and described in the import request, as approved by the board or chief; and
- (2) Permit conditions. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-11 <u>Permits.</u> (a) A permit for import and possession of a microorganism shall be obtained in advance of importation and shall be:

- Valid for the period designated on the face of the permit; and
- (2) Nontransferable, unless otherwise specified in the permit.

(b) Where a permit for an import of a microorganism species on the restricted list, (Part B) or an unlisted moderate risk level microorganism allows for transfer or sale of the microorganism, a proposed transferee must first:

(1) Obtain a permit for possession by

application to the chief pursuant to sections 4-71A-4 and, if applicable, 4-71A-7;

- (2) Obtain site inspection approval; and
- (3) Demonstrate ability to comply with established permit conditions, except that the board, without requiring a permit, may allow the transfer or sale of a microorganism described in subsection (b), if the microorganism is sold as food or beverage.

(c) The provisions of this section as well as sections 4-71A-13,-14,-15,-16,-18,-19 and -20 are applicable to special permits for import and possession of unlisted microorganisms.

(d) Permits are subject to conditions as provided in subchapter 3 and, where applicable, as established by the board. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-12 <u>Emergency permit</u>. (a) The department may issue an emergency permit on a case-by-case basis to a state or federal agency or state university to allow import and possession of a microorganisms on the list of restricted microorganisms or an unlisted microorganism for the purpose of remediating any emergency or disaster affecting agriculture, horticulture, the environment, or animal or public health; provided that:

- The board, without advisory committee review, first obtains advice from qualified persons with relevant expertise;
- (2) The board determines that import in less time than is required for issuance of a permit or special permit by the board pursuant to sections 4-71A-21, 4-71-22 and 4-71A-25, as applicable, is necessary to remediate the emergency or disaster; and
- (3) The board determines that the importer is able to meet conditions established by the board.

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(b) Application for emergency permit shall be made as provided in section 4-71A-4 and shall explain the emergency circumstances warranting expedited board action. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-13 <u>Permit amendment.</u> (a) An importer who requests a change to a permit including permit conditions shall submit to the chief the following:

- A statement requesting amendment of the permit or permit conditions;
- (2) A photocopy of the valid permit with the desired exact changes clearly indicated on the photocopy;
- (3) An explanation of the requested change or changes;
- (4) Supporting documentation; and
- (5) Any other documented information determined by the chief to be necessary.

(b) The chief may approve a minor amendment to a permit but shall refer to the board a change requiring board action, such as a request to:

- Add a microorganism not approved for import by the board; or
- (2) Amend permit conditions established by the board.

(c) The chief may require an additional site inspection approval for a request to add another site to the permit or to change the responsible person named in the permit.

(d) Amendment of a permit is subject to a user fee pursuant to section 4-71A-19. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-14 <u>Permit cancellation</u>. The chief may cancel a permit for any of the following reasons:

- (1) Noncompliance with a permit condition;
- (2) A change in statute or administrative rule restricting or disallowing import of the

microorganism or board action disallowing a previously allowed use of the microorganism;

- (3) A citation issued to the permittee for a violation involving import or possession of a microorganism or both; or
- (4) Upon written request by the permittee. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-15 <u>Permit renewal</u>. (a) A request to renew a permit shall be made within two months prior to the date of permit expiration.

(b) The importer shall submit a request to renew a permit on the renewal form provided by the department and shall include the following information:

- A statement requesting renewal of the permit, listing the permit and date of expiration;
- (2) A statement verifying that the request for permit renewal is for further import of the same species of microorganisms for the same purpose and using the same facility, equipment, procedures, and safeguards previously submitted by the importer and as approved by the chief or board; and
- (3) An agreement by the importer to comply with permit conditions.

(c) The chief may require a site inspection and approval for a permit renewal that adds another site to the permit or that changes the responsible person named in the permit.

(d) The chief may disapprove a permit renewal request based on the following:

- Proposed changes are made to the species of microorganisms listed on the permit;
- (2) Proposed changes are made to the use, facility, equipment, procedure, or safeguards previously submitted by the importer and as approved by the chief or board;

- (3) The importer has not, as of the date of the chief's action on the permit renewal request, deposited or paid bail with respect to any outstanding summons or citation issued to the importer; or
- (4) The importer has not paid the user fee pursuant to section 4-71A-19.

(e) If the request for permit renewal is not applied for within 30 days after the expiration of the permit, the request for renewal shall be treated as a new import request and shall be subject to the import requirements of section 4-71A-3; and if applicable, 4-71A-7. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-16 <u>Post-entry inspection</u>. (a) Microorganisms imported under permit shall be subject to periodic inspection by the branch.

(b) At a post-entry inspection, the permittee shall make available for inspection the microorganism, records pertaining to the microorganism imported under permit, equipment, and facility upon request by the chief.

(c) Post-entry inspections are subject to user fees pursuant to section 4-71A-19. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-17 List amendment by order. (a) By order, the board may adopt additions to or deletions from the lists of microorganisms without regard to the notice and public hearing requirements of chapter 91, HRS; provided that thirty days or more prior to the effective date of the order, the department shall issue a press release and mail notices to the Office of Environmental Quality Control for publication and to all persons who have made a timely written request of the department for advance notice of the order or the department's rulemaking proceedings. The press release and the notice shall include: \$4-71A-17

- (1) A statement summarizing the substance of the proposed order which may include examples of the kinds of microorganisms being added to or deleted from the lists required under section 150A-6.3, HRS;
- (2) A statement that a copy of the proposed order and the proposed exact changes will be mailed to any interested person who requests a copy upon payment in advance of costs for photocopying, preparing, and mailing the copy;
- (3) A statement as to where to obtain a copy of the proposed order and the proposed exact changes for inspection, or for pick-up after payment in full of costs for photocopying and preparing; and
- (4) A statement that the department is soliciting comments regarding the proposed order during the next thirty days, where comments may be forwarded to, and where the proposed order will be discussed.

(b) The department shall consider all oral and written comments and may incorporate the same in its review of the proposed order by the advisory committee on plants and animals in a noticed, public meeting.

(c) Upon approval by the board at a noticed, public meeting, the order to adopt additions to or deletions from the lists of microorganisms shall take effect ten days after the daily or weekly publication of statewide circulation or in separate daily or weekly publications whose combined circulation is statewide. [Eff. 11/30/01] (Auth: HRS §\$150A-5.9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-18 <u>Maximum time period for permit</u> <u>approvals, disapprovals, extensions, or automatic</u> <u>approvals.</u> (a) Pursuant to the requirements of chapter 91, HRS, the department shall establish the following maximum time periods for the processing of permit requests after acceptance of a completed permit application and payment of applicable fees pursuant to sections 4-71-4 and 4-71-19:

- (1) For microorganism species for which the chief is authorized to approve a permit, i.e., restricted list (Part B) microorganisms for purposes provided in Section 4-71A-22(c)(1),(2), and (3), the chief may approve or disapprove the issuance of a permit within 90 days; and
- (2) For microorganisms requiring board action as provided in section 4-71A-6, the board may approve or disapprove the issuance of a permit within 180 days.

(b) Notwithstanding the requirements of subsection (a), the maximum period of time shall be extended indefinitely in the event of a national disaster, state emergency, or union strike, which prevents the department from fulfilling application or review requirements in a timely manner.

(c) Except as provided for in subsection (b), an application request for the issuance of a permit shall be given automatic approval if action is not taken by the department within the established maximum period of time as specified in subsection (a). After the expiration of the maximum time period is brought to the attention of the department, the department shall have a reasonable amount of time to issue the permit.

(d) This section shall apply only to application requests for business or development-related permits required by law to be obtained prior to the formation, operation, or expansion of a commercial or industrial enterprise. [Eff. 11/30/01] (Auth: HRS §§ 91-13.5, 150A-9) (Imp: HRS §150A-6.3)

§4-71A-19 <u>User fees.</u> (a) The fee to process permits or permit renewals for import of an unlisted microorganism or a microorganism on the list of restricted microorganisms shall be as follows:

(1) Five dollars per permit for a single

shipment within one year from date of issuance or within a calendar year; or

(2) Fifty dollars per permit for unlimited shipments within one year from date of issuance or within a calendar year.

(b) The fee to amend a permit shall be five dollars per request.

(c) The fee to process the registration of a microbial product shall be fifty dollars for unlimited shipments within two years from the date of issuance.

(d) The fee to renew registration of a microbial product shall be twenty-five dollars for unlimited shipments within one year from the date of renewal.

(e) In addition to the requirements of subsection (a), a fee for a site inspection as required in this chapter or by permit conditions shall be twenty-five dollars per inspection plus mileage reimbursement.

(f) For inspection requiring the services of personnel beyond official working hours, an additional fee shall be assessed which shall include applicable charges for overtime wages, fixed charges for personnel services, and meals if required.

(g) Permit and inspection fees may be waived by the chief for not-for-profit organizations, universities, schools, or government agencies.

(h) All fees shall be paid in full at the time of submission of the request and shall be submitted to the chief as follows:

- (1) Cash for walk-in payments only; or
- (2) Money orders, cashier's or company check made payable to the "Hawaii Department of Agriculture".

(i) All fees paid are non-refundable. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-20 <u>Violations.</u> Any person who violates any provision or requirement of this chapter or of any notice given pursuant thereto, shall be subject to the penalties provided for under section 150A-14, HRS.

[Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

### SUBCHAPTER 2

#### INTRODUCTION OF MICROORGANISMS

\$4-71A-21 List of restricted microorganisms, <u>Part A.</u> (a) The list of restricted microorganisms, Part A, is comprised of microorganisms classified as high risk microorganisms.

(b) The list of microorganisms designated as restricted, Part A, dated October 25, 2001, is located at the end of this chapter and made a part of this section.

(c) The introduction into Hawaii and possession of a microorganism on the list of restricted microorganisms, Part A, shall be by permit approved by the board pursuant to sections 4-71A-4 and 4-71A-7 and subject to permit conditions established by the board as further provided in section 4-71A-26. [Eff. 11/30/01] (Auth: HRS §\$150A-5.9, 150A-6.3) (Imp: HRS §150A-6.3)

\$4-71A-22 List of restricted microorganisms Part
B. (a) The list of restricted microorganisms, Part
B, is comprised of microorganisms classified as
moderate risk microorganisms.

(b) The list of microorganisms designated as restricted, Part B, dated October 25, 2001, is located at the end of this chapter and made a part of this section.

(c) The introduction into Hawaii and possession of a microorganism on the list of restricted microorganisms, Part B, may be allowed by permit approved by the chief for the following purposes:

- Laboratory studies, analyses, or diagnostics excluding manufacturing or production;
- (2) Plant or soil inoculation studies in a laboratory or growth chamber; or

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(3) Cultivation of algal, cyanobacterial and photosynthetic bacterial species in a closed or semi-closed system such as a photobioreactor.

(d) The introduction into Hawaii and possession of a microorganism on the list of restricted microorganisms, Part B, for purposes other than those described in subsection (c) will require a permit approved by the board pursuant to sections 4-71A-4 and 4-71A-7.

(e) If the chief determines that import of a strain of microorganism on the list of restricted microorganisms, Part B, is likely to increase the level of risk above that of a moderate risk microorganism as defined in section 4-71A-2, the request to import will require a permit approved by the board pursuant to sections 4-71A-4 and 4-71A-7.

(f) A permit issued under this section is subject to permit conditions as provided in subchapter 3. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-23 List of select human pathogens. (a) The list of microorganisms designated as select human pathogens, dated October 25, 2001, is located at the end of this chapter and made a part of this section.

(b) The introduction into Hawaii and possession of a microorganism on the list of select human pathogens is allowed without permit issued by the department subject to branch approval for the import in advance of shipment, and satisfaction of pre-entry and inspection requirements and further provided that:

- (1) The importer submits to the chief in advance of shipment a valid certificate issued by the CDC, for the movement of a species cited in Appendix A of the CDC List of Select Agents at 42 United States Code of Federal Regulations, section 72.6; or
- (2) The importer is a clinical laboratory certified under the Clinical Laboratory Improvement Amendments of 1988, (42 United

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States Code of Federal Regulations, section 263a) that utilizes microorganisms on the list of select human pathogens for diagnostic, reference, verification, or proficiency testing purposes and is exempt from 42 United States Code of Federal Regulations, section 72.6.

(c) The branch shall notify the department of health of the entry into the State of the microorganism for the purpose of possible inspection and monitoring by the department of health. [Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-24 List of nonrestricted microorganisms.

(a) The list of nonrestricted microorganisms is comprised of microorganisms classified as low risk.

(b) The list of microorganisms designated as nonrestricted, dated October 25, 2001, is located at the end of this chapter and made a part of this section.

(c) Nonrestricted microorganisms imported for purposes and uses which, in the chief's judgment, are not likely to increase the level of risk above that of a low risk microorganism as defined in section 4-71A-2 may be imported into the State without a permit provided that:

- (1) The importer files a written statement with the chief on a form provided by the department, pursuant to section 4-71A-4; and the branch confirms that the microorganism requested for import is on the list of nonrestricted microorganisms and is from cultured stock; and
- (2) The microorganism meets the pre-entry and inspection requirements of section 4-71A-8 and 4-71-9, respectively.

(d) A request for import of a nonrestricted microorganism for a purpose or use that is likely to increase the level of risk above that described in subsection (a) or a request for import of a

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nonrestricted microorganism strain that is likely to increase the level of risk above that described in subsection (a) shall require a permit approved by the chief provided that the importer can comply with permit conditions in section 4-71A-27, and if applicable, section 4-71A-28.

(e) Microbial products containing microorganisms only on the list of nonrestricted microorganisms are subject to the import requirements for microbial products in subchapter 4. [Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

\$4-71A-25 Unlisted microorganisms. (a) The introduction into Hawaii and possession of a microorganism not on any of the lists of microorganisms included in this chapter may be allowed based on the department's determination of the level of risk presented by the microorganism requested for import and its proposed use as provided below.

(b) An unlisted microorganism that is determined by the department to be a low risk microorganism may be allowed import by a letter of authorization issued by the chief without advisory committee review or board approval.

(c) An unlisted microorganism that is determined by the department to be a moderate risk microorganism may be allowed import by special permit approved by:

- (1) The chief without advisory committee or board approval, provided that the microorganism is for laboratory studies, diagnostics, and analyses, excluding manufacture or production; plant or soil inoculation studies in the laboratory or growth chamber; or cultivation of algal, cyanobacterial and photosynthetic bacterial species in a closed or semi-closed system such as photobioreactor; provided the importer can comply with permit conditions in section 4-71A-27, and if applicable, section 4-71A-28; or
- (2) The board, with advisory committee review,

if the microorganism is for purposes other than those listed in subsection (c)(1), provided that, the importer can comply with permit conditions established by the board. (d) An unlisted microorganism that is determined by the department to be a high risk microorganism may be allowed import by special permit approved by the board, with advisory committee review, for purposes approved by the board, provided that the importer is able to comply with permit conditions established by the board.

(e) An unlisted microorganism imported by special permit shall be subject to the import, inspection, and standard permit requirements of subchapter 1 of this chapter.

(f) An unlisted microorganism allowed for import will be subsequently proposed for listing on the appropriate list of microorganisms based on the department's determination of the level of risk presented by the microorganism.

(g) A special permit issued under this section is subject to permit conditions established as provided in this section and in subchapter 3. [Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

### SUBCHAPTER 3

#### PERMIT CONDITIONS

\$4-71A-26 <u>Permit conditions.</u> (a) The importation and possession of a microorganism by permit shall be subject to conditions appropriate to eliminate or minimize the risks otherwise associated with the microorganism and its use.

(b) Permit conditions established by rule or by the board include, but are not limited to, restrictions as to time, place, location and use, special precautions, health requirements, and requirements for safeguarding the microorganism from escape, unauthorized release, or theft, as well as any

applicable requirements of municipal, state, or federal law.

(c) The permittee shall comply with the requirements of this chapter, chapter 150A, HRS, standard permit conditions and, if applicable, supplemental permit conditions established herein or, if the permit requires board action, with permit conditions established by the board.

(d) When an applicant whose request would not otherwise require board action is unable to comply with a permit condition established by rule, the chief in his discretion may forward the request for advisory committee review and board action. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-27 <u>Standard permit conditions.</u> All microorganisms allowed import through permit issued by the chief are subject to the standard permit conditions set forth below, provided that, for each permit, the identity of the microorganism or microorganisms or, alternatively, reference to an attached list of identified microorganisms to be imported, the purpose or purposes for import, permittee's name and address, site including address, and name and title of the person responsible for the particular import shall be inserted, as appropriate, in conditions (1), (2), (4) and (5), respectively:

- (1) The microorganisms, \_\_\_\_\_\_, shall be used for \_\_\_\_\_\_, a purpose approved by the chief, and shall not be sold, given, transferred or released in Hawaii, unless approved by the chief in writing;
- (2) The permittee, \_\_\_\_\_, shall be responsible and accountable for all microorganisms imported, from the time of their arrival to their final disposition;
- (3) The microorganisms are subject to the preentry requirements of section 4-71A-8 and the inspection requirements of section 4-

71A-9;

- (4) The microorganisms shall be safeguarded at \_\_\_\_\_\_, a site inspected and approved by the branch prior to importation. Removal of the microorganisms to another site shall require site inspection and prior approval by the chief;
- (5) The microorganisms shall be maintained by as the responsible person or by trained or certified personnel designated by the responsible person;
- (6) The permittee shall adhere to the use, facility, equipment, procedures, and safeguards proposed and described in the permit application, as approved;
- (7) The approved site, microorganisms, and records pertaining to the microorganisms under permit shall be subject to post-entry inspections pursuant to section 4-71A-16;
- (8) The permittee shall immediately report to the chief any theft, accidental release, exposure, or disease outbreaks involving the microorganisms;
- (9) Upon completion or termination of the use of the microorganisms, the microorganisms shall be destroyed by autoclaving. In the event autoclaving is not possible, the permittee shall obtain written authorization from the chief for an appropriate alternate method of destruction;
- (10) The permittee shall submit an annual report of all the microorganisms imported for the calendar year by January 31<sup>st</sup> of the following year. The report shall include the permit number, scientific name and quantity of each microorganism species imported, and status of use of the microorganisms;
- (11) The permittee shall submit a final report on the method of destruction of the microorganism species to the chief within 30 days of completion or termination of the use

of the microorganisms;

- (12) The permittee shall have available a procedural or safety manual at the time of inspection which identifies the hazards that will or may be encountered, and which specifies practices and procedures designed to minimize or eliminate risks of exposure or contamination;
- (13) It is the responsibility of the permittee to comply with any applicable requirements of municipal, state, or federal law pertaining to the microorganisms;
- (14) The permittee shall submit to the chief a copy of all valid licenses, permits, certificates or their equivalent required for the operation of the facility where the microorganisms are safeguarded. The permit issued by the chief may be cancelled upon revocation, suspension, or termination of any of the aforementioned documents required for operation of the facility;
- (15) Any violation of the permit conditions may result in citation or in cancellation of the permit, or both;
- (16) A cancelled permit is invalid and upon written notification from the chief, all microorganisms listed on the permit shall not be imported. In the event of permit cancellation, any microorganism species imported may be moved, seized, treated, quarantined, destroyed, or sent out of state at the discretion of the chief. Any expense or loss in connection therewith shall be borne by the permittee;
- (17) The permit conditions are subject to cancellation or amendment at any time due to changes in statute or administrative rules restricting or disallowing import of the microorganisms or due to Board of Agriculture action disallowing a previously permitted use of the microorganisms; and
- (18) The permittee shall agree in advance to

defend and indemnify the State of Hawaii, its officers, agents, and employees for any and all claims against the State of Hawaii, its officers, agents, or employees that may arise from or be attributable to any of the microorganisms that are introduced under this permit. This permit condition shall not apply to a permittee that is a federal or State of Hawaii entity or employee, provided that the state employee is a permittee in the employee's official capacity. [Eff. 11/30/01] (Auth: HRS §\$150A-5.9, 150A-6.3) (Imp: HRS §150A-6.3)

§4-71A-28 <u>Supplemental permit conditions</u>. The following supplemental permit conditions are established for import of microorganism species on the list of restricted microorganisms, Part B, according to the respective import purpose or use:

- (1) For laboratory studies, diagnostics and analyses: the permittee shall comply with the Centers for Disease Control and Prevention and National Institutes of Health Biosafety Level 2 guidelines for laboratory facility, safety equipment, standard microbiological practices and special practices as found in the current edition of the Biosafety in Microbiological and Biomedical Laboratories; or
- (2) For plant or soil inoculation studies in a laboratory or growth chamber:
  - (A) The permittee shall collect and disinfect the runoff prior to disposal into a waste disposal system approved by the branch; and
  - (B) Upon completion or termination of the use of the restricted articles, the inoculated materials shall be destroyed or sterilized by autoclaving.
- (3) For recombinant DNA research: the permittee

shall comply with the National Institutes of Health current biosafety level guidelines for recombinant DNA research published in and as amended in the *Federal Register*; or

(4) For algae, cyanobacteria and photosynthetic bacteria in closed or semi-closed systems such as photobioreactors: the effluent shall be disinfected prior to discharge or routed to a waste-disposal system approved by the branch. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

#### SUBCHAPTER 4

### INTRODUCTION OF MICROBIAL PRODUCTS

\$4-71A-29 Introduction of a microbial product.

(a) The introduction into Hawaii and possession of a microbial product is allowed only as provided below.

(b) A microbial product containing only microorganisms on the list of nonrestricted microorganisms, including recombinant DNA strains determined by the department to be low risk, may only be imported into the State through a registration with the branch. A microbial product containing recombinant DNA strains of nonrestricted microorganisms other than strains determined by the department to be low risk shall require a permit for import subject to meeting the requirements of sections 4-71A-4 and, if applicable, 4-71A-7 and 4-71A-10;

(c) A microbial product containing only unlisted microorganism species determined by the department to be low risk microorganisms may be allowed import by letter of authorization subject to meeting the requirements of section 4-71A-4;

(d) A microbial product containing only one or more unlisted microorganism species other than species determined by the department to be low risk microorganism(s) may be allowed import by permit subject to meeting the requirements of sections 4-71A- 4, and if applicable, 4-71A-7 and 4-71A-10; and
 (e) A microbial product containing only
microorganisms on both the lists of nonrestricted and
restricted microorganisms may be allowed import by
permit pursuant to sections 4-71A-4, and if
applicable, 4-71A-7 and 4-71A-10. [Eff. 11/30/01]
Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-30 <u>Microbial product registration.</u> (a) A request to register a microbial product for import into the State shall be submitted to the chief on the department application form in advance of shipment, providing the information required in section 4-71A-4(a)(3),(4),(5),(7),(8) and (9), as well as the following additional information:

- (1) A request to introduce a microbial product into the State under registration;
- (2) A request that the department inspect the microbial product upon arrival in the State;
- (3) Quantity of each microbial product and scientific (genus and species) name of the microorganisms contained in each of the microbial products;
- (4) Material safety data sheet and label that includes the name, brand, or trade mark, ingredient statement, directions for use, and caution or warning statement, name and address of the manufacturer or person for whom manufactured; and
- (5) Description of the method of disposal for the microbial product.

(b) Registration is effective for one year from the date of issuance.

(c) Registration is subject to a fee pursuant to section 4-71A-19(c). [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-31 <u>Conditions of registration.</u> (a) Registered microbial products shall be allowed \$4-71A-31

import for distribution, sales, or individual use.

(b) Registered microbial products shall be used in accordance with the product label.

(c) The registrant shall immediately notify the chief in writing of any changes made to the registered microbial product including to the microorganisms contained in the product, product label and use of the product. The written notification shall be submitted to chief in advance of shipment.

(d) Microbial products imported into the State are subject to pre-entry and inspection requirements pursuant to \$4-71A-8 and \$4-71A-9. [Eff. 11/30/01] (Auth: HRS \$\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

§4-71A-32 <u>Registration renewal.</u> (a) Registration of a microbial product may be renewed only when there are no changes in or to the microorganisms contained in the microbial product, product label, or the use of the product as previously registered.

(b) The chief may disapprove a request for renewal of registration for the following reasons:

- (1) Changes declared on the request for registration renewal are, in the chief's judgment, sufficiently significant to require a new registration; or
- (2) The registrant has not deposited or paid bail with respect to any summons or citation issued to the registrant as of the date of the chief's action on the request.

(c) A request to renew the registration of a microbial product shall not be made more than two months prior to the date of expiration.

(d) The registrant shall submit a written request for renewal to the chief with the following statements and information:

- (1) A request to renew registration;
- (2) A request that the department examine the microbial product upon arrival in the state;
- (3) An agreement by the registrant to

comply with conditions of registration;

- (4) An agreement to be responsible for all costs, charges, or expenses incident to the inspection or treatment of the imported microbial products;
- (5) A waiver of all claims for damages or losses incident to the inspection, treatment, disinfection, treatment, quarantine, or destruction of the microbial product, if necessary; and
- (6) A statement that there are no changes in or to the microorganisms contained in the product as previously registered, product label, or use of the product.

(e) If the request for registration renewal is not submitted within 30 days after the expiration of an existing registration, the request for registration renewal shall be treated as a new registration request and shall be subject to the import requirements and fees of sections 4-71A-19 and 4-71A-30. [Eff. 11/30/01] (Auth: HRS §\$150A-9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-33 <u>Cancellation of registration</u>. The chief may cancel the registration of a microbial product for any of the following reasons:

- Any violation of the conditions of registration;
- (2) A written request by the registrant to cancel registration; or
- (3) The microorganism(s) contained in the microbial product are no longer on the list of nonrestricted microorganisms. [Eff. 11/30/01] (Auth: HRS §\$150A-5.9, 150A-6.3) (Imp: HRS \$150A-6.3)

\$4-71A-34 <u>Import of a microbial product under</u> <u>trade secret claim.</u> (a) Import of a microbial product containing a microorganism for which species identification is claimed by the product's

# \$4-71A-34

manufacturer or shipper to be trade secret shall be subject to special handling to assure confidentiality of the species identification of the microorganism, provided that the manufacturer or shipper and importer comply with branch procedures for notification and accommodation of a trade secret claim.

(b) Notwithstanding the assertion of a trade secret claim as described in subsection (a), the manufacturer or shipper shall disclose to the chief the scientific name or species identification of each microorganism contained in the microbial product requested for import, after which the asserted trade secret data will only be reviewed as necessary by certain persons in the branch's permit and registration review process. To maintain confidentiality, the asserted trade secret data will appear in coded form in written materials at any public meetings at which the import request is considered or in any disclosure of public records.

(c) It is the responsibility of the applicant or permittee to defend a trade secret claim if challenged and prove trade secret status. The department will treat a properly asserted trade secret claim as such and maintain confidentiality for the asserted trade secret data to the extent permitted by law or unless required to disclose the information pursuant to chapter 92F, HRS. If upon challenge, the state Office of Information Practices or a court determines that the scientific name or species identification of a microorganism contained in a microbial product is not a trade secret, subject to the outcome of any appeal, the department will disclose the data.

(d) A microbial product under trade secret claim is subject to the import requirements for microbial products described in this subject.

(e) Both a local importer as applicant and a manufacturer or shipper as co-applicant shall complete and sign an application for import under trade secret claim as provided herein and on branch forms. A trade secret claim under this section will be processed as follows:

(1) The manufacture or shipper shall notify the

chief in writing of a trade secret claim asserted as to species identification of one or more microorganisms contained in a microbial product and shall provide the product name and the name and address of the local importer;

- (2) Upon notification, the chief shall send to the manufacturer or shipper a permit application for import under trade secret claim;
- (3) The manufacture or shipper shall list on the application the scientific name of each microorganism contained in the product, identifying which microorganisms are asserted to be trade secret protected, and shall complete and sign the application;
- (4) Prior to submitting the completed application to the branch for special handling, the manufacturer or shipper shall send to the importer a copy of the same application, first deleting species identification for those microorganisms in the product asserted to be trade secret protected; and
- (5) The importer shall complete, sign and submit the trade secret data redacted application to the department.

(f) Products containing microorganisms under trade secret claim shall not be listed on the same permit application as products for which no trade secret claim is asserted. [Eff. 11/30/01] (Auth: HRS §§150A-9, 150A-6.3) (Imp: HRS §150A-6.3)

2. Material, except source notes, to be repealed is bracketed. New material is underscored.

3. Additions to update source notes to reflect these amendments are not underscored.

4. These amendments to chapter 4-72, Hawaii Administrative Rules, shall take effect ten days after filing with the Office of the Lieutenant Governor. I certify that the foregoing are copies of the rules, drafted in Ramseyer format pursuant to the requirements of section 91-4.1, Hawaii Revised Statutes, which were adopted on \_\_\_\_\_\_, and filed with the Office of the Lieutenant Governor.

Chairperson, Board of Agriculture

APPROVED AS TO FORM:

Deputy Attorney General

## LIST OF RESTRICTED MICROORGANISMS PART A

Date (month day, year)

SCIENTIFIC NAME

#### FUNGI

Aethalia - all species in genus Albugo - all species in genus Alternaria - all species in genus except: A. alternata A. geophilia Allomyces - all species in genus Amanita muscaria Amanita rubescens Angiosporus solani Aphanomyces - all species in genus Armillaria - all species in genus Ascobolus stercorarius Ascochyta - all species in genus Aspergillus - all species in genus except: A. candidus A. clavatus A. cremeus A. flavipipes A. flavus A. fumigatus A. glaucus A. nidulans A. ochraceus A. niger A. restrictus A. terreus A. ustus A. versicolor A. wentii Asperisporium - all species in genus Beauveria - all species in genus except: B. bassiana ANT-03 Bipolaris - all species in genus except: B. hawaiiensis Botryodiplodia - all species in genus Botryosphaeria - all species in genus Botrytis - all species in genus Bremia - all species in genus Calonectria - all species in genus Ceratocystis - all species in genus Cercospora - all species in genus

*Cercosporella* - all species in genus *Choanephora* - all species in genus *Cionothrix* - all species in genus

Cladosporium - all species in genus except: C. bantianum C. trichoides Clavicep purpuera Cochliobolus - all species in genus Colletotrichum - all species in genus Corticium - all species in genus Cylindrocladium - all species in genus Cylindrosporium - all species in genus Diaporthe - all species in genus Digitatispora marina Didymella - all species in genus Didymium nigripes

Diplodia - all species in genus Dothiorella berengeriana Dothistroma pini Drechslera - all species in genus except: D. hawaiiensis D. rostrata D. spicifera

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Elsinoe - all species in genus
Emericella variecolor
Endothia - all species in genus
Erysiphe - all species in genus
Exobasidium - all species in genus
Exserohilum - all species in genus except:
E. mcginnisii
E. rostratum
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Fulvia - all species in genus

Gibberella - all species in genus Gliomastix inflata Gloeosporium - all species in genus Glomerella - all species in genus Gnomonia - all species in genus Guignardia - all species in genus Gymnoconia - all species in genus

Helminthosporium - all species in genus Heterobasidium - all species in genus Histoplasma farciminosum Hypoxylon - all species in genus

Kuehneola - all species in genus

Lenzites - all species in genus

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Macrophoma - all species in genus
Macrophomina - all species in genus
Madurella - all species in genus
Mahabalella - all species in genus
Marasmius - all species in genus except:
      M. oreades
Marssonina - all species in genus
Metarhizium - all species in genus
Microcyclus ulei
Microsphaera - all species in genus
Monosporascus - all species in genus
Mucor - all species in genus except:
     M. hiemalis
                              M. pusillus
     M. ramannianus
                              M. ramosissimus
Mycena citricolor
Myrothecium - all species in genus
Nectria - all species in genus
Orbimyces spectabilis
Paracoccidioides brasiliensis
Peniophroa - all species in genus
Peronospora - all species in genus
Pestalotia - all species in genus
Pestalotiopsis - all species in genus
Phakopsora pachyrhizi
Pholiota - all species in genus
Phoma - all species in genus except:
      P. glomerata
                              P. hibernica
      P. oculo-hominis
Phomopsis - all species in genus
Phragmidium - all species in genus
Phyllactinia - all species in genus
Phyllostica - all species in genus
Phymatotrichopsis omnivora
Physoderma - all species in genus
Phytophthora - all species in genus
Plasmodiophora - all species in genus
Plasmopara - all species in genus
Podosphaera - all species in genus
Polyporus - all species in genus
Poria - all species in genus
Poronia oedipus
Prospodium tuberculatum
Pseudocercospora - all species in genus
Pseudoperonospora - all species in genus
Puccinia - all species in genus
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Pyrenphora - all species in genus
Pyricularia - all species in genus
Pyriculariopsis - all species in genus
Pythium - all species in genus

Ramularia - all species in genus Rhizoctonia - all species in genus Rozella allomyces

Schizophyllum - all species in genus Sclerospora - all species in genus Sclerotinia - all species in genus Sclerotium - all species in genus Scopulariopsis - all species in genus except: S.brevicaulis S. brumptii Septoria - all species in genus Sphaceloma - all species in genus Sphacelotheca - all species in genus Sphaerotheca - all species in genus Sporothrix - all species in genus except: S. schenckii Stemonitis flavogenita Stereum - all species in genus Synchytrium enfobioticum

Thanatephorus - all species in genus Thielaviopsis - all species in genus Tilletia - all species in genus Trichophaea abundans

Uncinula - all species in genus Urocystis - all species in genus Uromyces - all species in genus Ustilago - all species in genus

Verticillum - all species in genus except: V. graphii

Xylaria - all species in genus

#### BACTERIA

Bartonella - all species in genus

Xanthomonas oryzae pv. oryzae Xanthomonas oryzae pv. oryzicola

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SCIENTIFIC NAME
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Brucella - all species in genus except: B. abortus B. melitensis B. suis Chlamydia psittaci avian strains Corynebacterium (=Clavibacter) michiganensis subsp. insidiosus Coconut lethal yellowing mycoplasma like organism Curtobacterium flaccumbaciens Elsinoe australis Erwinia amylovora Erwinia cartovora Erwinia stewartii Fastidious bacterium (citrus greening disease) Guidgnardia citircarpa Mycobacterium avium Mycobacterium bovis Mycobacterium tuberculosis Mycoplasma agalactiae Mycoplasma mycoides Pasteurella multocida type B ("buffalo" and other foreign virulent strains) Phytoplamas - Diseases caused by phytoplasmas (fomerly known as mycoplasmalike organisms(MLOs)) Pseudomonas solanacearum Ralstonia solanacearum Rickettsia - all species in genus except: R. prowazekii R. rickettsii Salmonella typhi Xanthomonas campestris pv. citri Xanthomonas campestris pv. citricarpa Xanthomonas campestris pv. vasculorum

#### CYANOBACTERIA

Anabaena - all species in genus Aureococcus anophageefferens

Cylindrospermum - all species in genus

Microcystis - all species in genus

Nodularia - all species in genus

Pseudanabaena - all species in genus

Xenococcus - all species in genus

#### PLANT VIRUSES

abutilon mosaic virus African cassava mosaic virus Arabis mosaic virus

baculoviruses banana bunchy top virus banana badnavirus banana mosaic virus bean golden mosaic virus bean yellow mosaic virus broad bean strain virus brome mosaic virus

cacao swollen shoot virus carnation ring (cadang viroid) citrus tristeza virus citrus tristeza virus (mild strains) coconut virus cucumber mosaic virus cymbidium mosaic virus

maize mosaic virus odontoglossum ringspot virus

papaya ringspot virus-p (PRSV-p strain) except PRSV-p mild strain papaya ringspot virus-w (PRSV-w strain) pineapple badnavirus pineapple closterovirus

MCM virus (maize chlorotic mottle) MRD virus (maize rough dwarf) MRF virus (maize rayado fino) maize streak virus maize stripe virus

potato mop-top virus potato virus T potato Y virus potato yellowed dwarf virus Prunus necrotic ringspot virus

rice dwarf virus

satuma dwarf virus sharka (plume pox) virus southern bean mosaic virus sugarcane badnavirus Sugarcane Fiji disease virus

tobacco mosaic virus tobacco ringspot virus tomato black ring (anepo virus) tomato mosaic virus tomato ringspot virus tomato spotted wilt virus tomato yellow leaf curl virus *turnip mosaic virus* 

veinal necrosis virus

watermelon mosaic 1 virus watermelon mosaic 2 virus

zucchini yellow mosaic virus

## HUMAN AND ANIMAL VIRUSES

African horse sickness virus African swine fever virus Akabane virus Aujeszky disease virus avian influenzae

bluetongue virus Borna disease virus

bovine infectious petechial fever agent bovine spongiform encephalopathy (a prion) Bunyavirus group

camelpox virus chikungunya virus classical swine fever virus Coronavirus group channel catfish virus Creutzfeldt-Jacob Disease variant, bovine spongiform

dengue virus (types 1-4)

ephermeral fever virus

foot and mouth disease virus

hog cholera virus human immunodieficiency virus (type 1-2) human T-cell lymphotropic viruses

Japanese B encephalitis

lumpy skin disease virus lymphocytic choriomeningitis virus lymphocytic choriomeningitis (neurotropic) virus

monkey pox virus Moribillivirus

Nairobi sheep disease virus Newcastle disease virus

Parvovirus (human) Peste des pestitis ruminants virus Polyomavirus (BK and JC viruses) Porcine enterovirus type 9

rabies virus rinderspest virus

Semliki Forest virus sheep and goat pox virus Sindbis virus swine vesicular disease virus

vesicular exantema virus Vesicular stomatidis virus

viral hemorrhagic disease of rabbits

Wesselsbron disease virus Western equine encephalomyelitis virus white pox virus

#### ALGAE

Alexandria monilata Alexandrium sp.

Chrysochromulina - all species in genus

Ganblerdiscus toxicus Gymnodinium aureolaum Gymnodinium breve

Osteropsis lenticularis Osteroopsis siamensis

Pflesteria-like dinoflagellates Prorocentrum hoffmannianum Prorocentrum lima Pseudo-nitzschia australis Pseudo-nitzschia pungens f. multiseries LIST OF RESTRICTED MICROORGANISMS PART B

October 25, 2001

SCIENTIFIC NAME

FUNGI

Absidia - all species in genus except: A. coerulea A. corymbifera A. ramosa A. spinosa Acremonium - all species in genus except: A. falciforme A. kiliense A. recifei A. vitis Agaricus - all species in genus except: A. bisporus A. bitorquis Agaricus sp. (Portabello mushroom) A. campestris Allescheria boydii Aureobasidium - all species in genus except: A. pullulans Basidiobolus ranarum Blakeslea trispora Blastoschizomyces - all species in genus except: B. capitatus Brettanomyces - all species in genus Candida - all species in genus except: C. albicans C. famata C. geochares C. glabrata C. humicola C. immitis C. krusei C. kefyr C. lipolytica C. lusitaniae C. pseudotropicalis C. rugosa C. parapsilosis C. quilliermondii C. stellatoidea C. tropicalis C. zeylanoides Chaetomium - all species in genus except: C. globosum Chalaropsis - all species in genus Chrysosporium - all species in genus except: C. keratinophilum C. liquorum

C. pruinosum

Cryptococcus - all species in genus except: C. gastricus C. albidus C. huminocola C. laurentii C. luteolus C. neoformans C. uniguttulatus C. terrerus Cunninghamella - all species in genus except: C. bertholletiae C. blakesleena C. elegans Curvularia - all species in genus except: C. geniculata C. lunata Entomophthora coronata Epicoccum - all species in genus except: E. nigrum Epidermophyton - all species in genus except: E. floccosum Exophiala - all species in genus except: E. dermatitidis E. jeanselmei E. spinifera E. werneckii Fonsecaea - all species in genus except: F. compacta F. pedrosoi Fusarium - all species in genus Geotrichium - all species in genus except: G. candidum G. penicillatum Gliocladium - all species in genus except: G. roseum Glomus - all species in genus except: G. brasilianum G. clarum G. deserticola G. etunicatum G. fasciculatum G. intraradices G. monosporus G. mosseae Hansenula - all species in genus except: H. anomala H. pollymoropha H. wingei Hormodendrom pedrosoi Hyphochytrium catenodies Lagenidium giganteum Macrosporium laminanianum

Malassezia - all species in genus except: M. furfur M. pachydermatis Mortierella ramannianda var. angulispora Neurospora - all species in genus except: N. crassa N. tetrasperma Nigrospora - all species in genus except: N. oryzae Phialophora - all species in genus except: P. bubakii P. parasitica P. repens P. richardsiae P. verrucosa Pichia - all species in genus except: P. canadensis P. pastoris Pilobolus - all species in genus Pleurotus - all species in genus except: P. djamor P. cystidiosus P. sajor-caju P. ostreatus Pseudoallescheria - all species in genus except: P. boydii Rhizomucor - all species in genus Rhizopus - all species in genus except: R. stolonifer Saccharomycopsis - all species in genus Schizosaccharomyces - all species in genus Sordaria - all species in genus except: S. fimicola Sporobolomyces - all species in genus except: S. salmonicolor Sporotrichum - all species in genus except: S. pruinosum Stemphylium - all species in genus except: S. sarcinaeforme Trichoderma - all species in genus except: T. harzianum T. virens T. viridae Trichothecium - all species in genus except: T. roseum Ulocladium - all species in genus except: U. atrum

Restricted Microorganism (Part B)

## SCIENTIFIC NAME

Wangiella - all species in genus except: W. dermatitidis

Xylohypha - all species in genus

Yamadazyma - all species in genus Yarrowia - all species in genus except: Y. lipolytica

Zygorhynchus moelleri

SLIME MOLD

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Acrasia rosea
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Acytostelium leptosomum

Dictyostelium - all species in genus except: D. discoideum

Physarum - all species in genus except: P. polycephalum

Polysphondylium pallidum Polysphondylium violaceum

#### BACTERIA

Acetobacter - all species in genus except: A. aceti A. oxydans A. suboxydans Achromobacter - all species in genus except: A. fischeri Acidaminococcus - all species in genus except: A. fermentans Acidovorax - all species in genus except: A. delafieldii A. facilis Acinetobacter - all species in genus except: A. baumanni A. calcoaceticus A. haemolyticus A. lwofii Actinobacillus - all species in genus except: A. pleuropneumoniae A. suis

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Actinomadura - all species in genus except:
     A. madurae
     A. pelletieri
Actinoplanes philippinensis
Actinomyces - all species in genus except:
     A. odontolyticus
     A. pyrogenes
Aerococcus - all species in genus except:
     A. viridans
Aeromonas - all species in genus except:
     A. caviae
                            A. hydrophila
     A. sobria
                             A. veronii
Agrobacterium - all species in genus
Alcaligenes - all species in genus except:
     A. acidocaldarius A. acidoterrestris
     A. cupidus
                           A. cycloheptanicus
                            A. eutrophus
     A. dispar
     A. faecalis
                            A. viscolactis
     A. viscosus
Alteromonas - all species in genus except:
     A. putrefaciens
Aquaspirillum - all species in genus
Arachnia propionica
Arcanobacterium - all species in genus except:
     A. haemolyticum
Arizona - all species in genus except:
     A. hinshawii
Arthrobacter - all species in genus except:
     A. agalis
                           A. citreus
     A. crystallopoietes A. globiformis
     A. marinus
                             A. paraffineus
Aureobacterium - all species in genus
Bifidobacterium - all species in genus
Brevundimonas - all species in genus
Capnocytophaga - all species in genus
Cardiobacterium - all species in genus
Caulobacter bacteroides
Chlorobium - all species in genus
Chromatium - all species in genus except:
     C. warmingii
Chryseomonas - all species in genus
Clavibacter - all species in genus except:
     C. michiganensis subsp. insidiosus
Comamonas - all species in genus except:
     C. testosteroni
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Curtobacterium - all species in genus except: C. flaccumbaciens Desulfotomaculum ruminis Edwardsiella - all species in genus except: E. tarda Ectothiorhodospira - all species in genus Eikenella - all species in genus except: E. corrodens Enterococcus - all species in genus except: E. avium E. durans E. faecalis E. faecium E. hirae Erwinia - all species in genus except: E. amylovora E. cartovora E. stewartii E. dissolvens Eubacterium - all species in genus except: E. lentum Flavobacterium - all species in genus except: F. multivorum F. meningosepticum F. odoratum Flexibacter - all species in genus Francisella - all species in genus except: F. tularensis Gemella - all species in genus Halobacterium - all species in genus except: H. salinarium Haemophilus - all species in genus except: H. influenzae H. ducreyi H. parahaemolyticus H. paraphrophilus H. parasuis H. sommus Kingella - all species in genus except: K. kingae Lactococcus - all species in genus except: L. cremoris L. lactis Leuconostoc - all species in genus except: L. citrovorum L. cremoris L. mesenteroides

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Methanococcus - all species in genus
Methylobacterium - all species in genus
Microbacterium imperiale
Microscilla - all species in genus
Morganella - all species in genus except:
     M. morganii
Moraxella - all species in genus except:
     M. catarrhalis M. ureolytica
     M. urethralis
                            M. osloensi
Neisseria - all species in genus except:
                          N. flavascens
     N. cinerea
     N. gonorrhoeae
                           N. lactamica
     N. meningitidis
                           N. mucosa
                            N. sicca
     N. perfalva
     N. subflava
Norcardia farcinia
Nocardiopsis - all species in genus except:
     N. dassonvillei
Ochrobactrum - all species in genus
Oerskovia - all species in genus except:
      O. xanthieolytica
Oligella - all species in genus except:
      O. ureolytica
                          O. uretharlis
Pasteurella pestis avirulent strain
Peptostreptococcus - all species in genus except:
      P. anaerobium P. elsdenii
      P. magnus
                             P. micros
Polysphondylium pallidum
Polysphondylium violaceum
Porphyromonas - all species in genus except:
      P. asaccharolytica P. gingivalis
      P. levii
Providencia - all species in genus
Prevotella - all species in genus except:
      P. intermedia
                            P. loeschii
      P. melaninogenica
Propionibacterium - all species in genus except:
     P. acidipropionici P. acnes
                            P. jensenii
      P. freudenreichii
                            P. shermanii
      P. pentosaceum
      P. technicum
                             P. thoenii
Prosthecochloris - all species in genus
Proteus - all species in genus except:
                            P. penneri
      P. mirabilis
     P. rettgeri
                             P. vulgaris
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Pseudomonas - all species in genus except: P. acidovoransP. aeruginosaP. alcaligenesP. andropogonisP. avenaeP. caryophylii P. cattleyaeP. cattleyaeP. cichoriiP. cepaciaP. cichoriiP. citronellolisP. delafieldiiP. denitrificansP. facilisP. flavaP. flectensP. fluorescensP. fuscovaginaeP. gladioliP. glumaeP. lucifera P. tuscovag. P. glumae l'oi P. marginalis i'crifaciel P. nactus P. marginarisP. nactusP. marginarisP. nactusP. nigrifaciensP. oleovoransP. oryzicolaP. palleroniiP. phaseolicolaP. pickettiiP. pseudoalcaligenesP. putidaP. rubrilineans P. putida P. saccharophila P. stutzeri P. stutzeri P. syringae P. stutzeri P. syringae P. testosteroni P. viridiflava P. woodsii Rhodomicrobium - all species in genus Shewanella - all species in genus except: S. putrefaciens Sphingobacterium - all species in genus except: S. multivorum S. serpens Sphingomonas paucimobilis Stenotrophomonas - all species in genus except: S. maltophilia) Stomatococcus - all species in genus Streptobacillus moniliformis Streptosporangium roseum Thiobacillus - all species in genus except: T. dinitrificans T. thioparus Thiocystis - all species in genus Thiodictyon - all species in genus Thiospirillum - all species in genus Variovorax - all species in genus Veillonella - all species in genus except: V. alcalescens V. parvula

Vibrio - all species in genus except: V. adaptatus V. algosus V. fischeri V. marinus V. anguillarum V. haloplanktis V. marino vulgaris V. marinagilis V. marinofulvus V. noctiluca V. vulnificus V. parahemolyticus Xanthomonas - all species in genus except: X. campestri pv. citri X. campestris pv. citricarpa X. campestris pv. vasculorum X. oryzae pv. oryzae

X. oryzae pv. oryzicola

#### CYANOBACTERIA

Aphanizomenon flos-aquae Calothrix - all species in genus Chamaesiphon - all species in genus Chlorogloeopsis - all species in genus Chroococcidiopsis - all species in genus Dermocarpa - all species in genus Fischerella - all species in genus Gloeobacter - all species in genus Gloeothece - all species in genus Gloeocapsa - all species in genus Hapalosiphon - all species in genus Lyngbya - all species in genus

Microcoleus - all species in genus

Nostoc - all species in genus

Oscillatoria - all species in genus

Phormidium - all species in genus Plectonema - all species in genus Porphyrosiphon notarisii

Schizothrix - all species in genus Scytonema - all species in genus Spirulina - all species in genus Symphyonemopsis kataiensis Symploca muscorum Synechococcus - all species in genus Synechocystis - all species in genus

Tolypothrix - all species in genus

PLANT VIRUSES

mild strain of papaya ringspot virus-p
(PRSV-p mild strain)
zucchini yellow mosaic virus-weak strain

#### ALGAE

Achnanthes - all species in genus Amphidinium - all species in genus Amphiprora - all species in genus Amphora - all species in genus Anadyomene - all species in genus Ankistrodesmus - all species in genus Asterococcus - all species in genus Astrephomene - all species in genus Atractomorpha - all species in genus Axilosphaera - all species in genus

Bangia - all species in genus Basicladia - all species in genus Batrachospermum - all species in genus Boergesenia - all species in genus Botryococcus - all species in genus Borodinella - all species in genus Botrydiopsis - all species in genus Botrydium - all species in genus Brachiomonas - all species in genus Bracteacoccus - all species in genus Bulbochaete - all species in genus Bumilleriopsis - all species in genus

Callithamnion - all species in genus Calyptrosphaera -all species in genus Capsosiphon - all species in genus Carteria - all species in genus Cephaleuros - all species in genus Chaetoceros concavicornis Chaetoceros convolutus Chaetomorpha - all species in genus Chaetopeltis - all species in genus Chaetophora - all species in genus Characium - all species in genus Chattonella - all species in genus Chlamydomonas - all species in genus Chlorochytrium - all species in genus Chlorocloster - all species in genus Chlorococcum - all species in genus Chlorogonium - all species in genus Chlorosarcina - all species in genus Chlorosarcinopsis - all species in genus Chodatella - all species in genus Chromulina - all species in genus Chroomonas - all species in genus Chrysosphaera - all species in genus Cladophoropsis - all species in genus Closteriopsis - all species in genus Closterium - all species in genus Coccolithophora - all species in genus Coccolithus - all species in genus Coccomyxa - all species in genus Coelastrum - all species in genus Colacium - all species in genus Coleochaete - all species in genus Compsopogon - all species in genus Coronastrum - all species in genus Cosmarium - all species in genus Cricosphaera - all species in genus Crucigeneiella - all species in genus Crucigenia - all species in genus Cryptoglena - all species in genus Cryptochrysis - all species in genus Cryptomonas - all species in genus Ctenocladus - all species in genus Cyanidium - all species in genus Cyclotella - all species in genus Cylindrocapsa - all species in genus Cylindrocystis - all species in genus Cylindrotheca - all species in genus

Dactylococcus - all species in genus Desmidium - all species in genus Dichotomosiphon - all species in genus Dicrateria - all species in genus Dictyosphaeria - all species in genus Dimorphococcus - all species in genus Dinobryon - all species in genus Distigma - all species in genus Draparnaldia - all species in genus Dysmorphococcus - all species in genus

Ectocarpus -all species in genus Elakatothrix - all species in genus Ellipsoidon - all species in genus Emiliana - all species in genus Entocladia - all species in genus Eremosphaera - all species in genus Euastrum - all species in genus Eudorina - all species in genus Eunotia - all species in genus Eustigamatos - all species in genus Eutreptia - all species in genus

Franceia - all species in genus
Fritschiella - all species in genus

Galdieria - all species in genus
Gelidium - all species in genus
Glenodinium - all species in genus
Gloeodinium - all species in genus
Gloeothamnion - all species in genus
Golenkinia - all species in genus
Gonatozygon - all species in genus
Gonyostomum - all species in genus
Gloeomonas - all species in genus
Gloeomonas - all species in genus
Gracilaria - all species in genus
Gymnodinium - all species in genus
G. aureollaum
G. breve

Haematococcus - all species in genus
Hemiselmis - all species in genus
Heterococcus - all species in genus
Heterothrix - all species in genus
Hormotila - all species in genus

Hormotilopsis - all species in genus Hyalotheca - all species in genus Hymenomonas - all species in genus Hypnomonas - all species in genus

Kirchneriella - all species in genus Klebsormidium - all species in genus

Laurencia - all species in genus Lepocinclis -all species in genus Leptosira - all species in genus Lobomonas - all species in genus

Macrocystis pyrifera Menoidium - all species in genus Mesotaenium - all species in genus Micrasterias - all species in genus Microbictyon - all species in genus Microthamnion - all species in genus Mischococcus - all species in genus Monas (=Streptomonas) - all species in genus Monodus - all species in genus Mougeotia - all species in genus Myrmecia - all species in genus

Nannochloris - all species in genus
Neospongiococcum - all species in genus
Netrium - all species in genus

Neochloris - all species in genus Nephrochloris - all species in genus Nephroselmis - all species in genus Nitella - all species in genus Nitzschia - all species in genus

Oedocladium - all species in genus Oedogonium - all species in genus Olistodiscus (=Heterosigma) - all species in genus Onychonema (=Sphaerozosma) - all species in genus Ophiocytium - all species in genus Ourococcus - all species in genus Oxyrrhia - all species in genus

Palmella - all species in genus Palmellopsis - all species in genus Paulschulzia - all species in genus Pectodictyon - all species in genus

Pedinomonas - all species in genus Penium - all species in genus Phacotus - all species in genus Phacus - all species in genus Phaeodactylum - all species in genus Percursaria - all species in genus Peridinium - all species in genus Physocytium - all species in genus Pithophora - all species in genus Pleurotaenium - all species in genus Planktosphaeria - all species in genus Planophila - all species in genus Platydorina - all species in genus Platymonas - all species in genus Pleodorina - all species in genus Pleurastrum - all species in genus Pleurochloris - all species in genus Pleurochrysis - all species in genus Polytoma - all species in genus Polytomella - all species in genus Porphyra tenera Porphyra yezoensis Porphyridium - all species in genus Prasinocladus - all species in genus Protosiphon - all species in genus Pseudendoclonium - all species in genus Pseudocharaciopsis - all species in genus Pseudocharacium - all species in genus Pseudopleurococcus - all species in genus Pseudotetracystis - all species in genus Pseudotrebouxia - all species in genus Pterocladia - all species in genus Pteromonas - all species in genus Pulchraspaera - all species in genus Pyramimonas - all species in genus Pyrobotrys (=Uva) - all species in genus

Radiofilum - all species in genus Radiosphaera (=Actinochloris) - all species in genus Raphidonema - all species in genus Rhabdomonas - all species in genus Rhizoclonium - all species in genus Rhodamonas - all species in genus Roya - all species in genus

Sarcinochrysis - all species in genus Scenedesmus - all species in genus Schizomeris - all species in genus

Selenastrum - all species in genus Siphonocladus - all species in genus Sirogonium - all species in genus Spirotaenia - all species in genus Spongiochloris - all species in genus Staurastrum - all species in genus Stephanoptera - all species in genus Stigeoclonium - all species in genus Stephanosphaera - all species in genus Struvea - all species in genus Struvea - all species in genus Struvea - all species in genus

Teradesmus (=Tetradesmus) - all species in genus Tetracystis - all species in genus Tetraedon - all species in genus Tetrallantos - all species in genus Tetraspora - all species in genus Trachelomonas - all species in genus Trebouxia - all species in genus Trentepohlia - all species in genus Tribonema - all species in genus Trichosarcina - all species in genus Trochischia - all species in genus

Ulothrix - all species in genus

Valonia - all species in genus
Vaucheria - all species in genus
Vischeria - all species in genus
Volvulina - all species in genus

Wislouchiella - all species in genus

Zooxanthella - all species in genus

#### PROTOZOA

Acanthamoeba - all species in genus except: A. castellani

Entamoeb	a –	all	species	in	genus	except:
Ε.	his	stoly	ytica		Ε.	coli
E .	giı	ngiva	alis		Ε.	hartamanii

Mansonella - all species in genus except: M. ozzardi M. perstans Nosema - all species in genus Trichomonas - all species in genus except: T. hominis T. tenax T. vaginalis

Trypanosoma - all species in genus

#### LIST OF SELECT HUMAN PATHOGENS

## October 25, 2001

SCIENTIFIC NAME

#### FUNGI

Coccidioides immitis

#### BACTERIA

Bacillus anthracis Brucella abortus Brucella melitensis Brucella suis Burkholderia (Pseudomonas) mallei Burkholderia (Pseudomonas) pseudomallei Clostridium botulinum Coxiella burnetii Francisella tularensis Rickettsia prowazekii Rickettsia rickettsii Yersinia pestis

#### VIRUSES

Crimean-Congo haemorrhagic fever virus Eastern Equine Encephalitis virus Ebola viruses Equine Morbillivirus (Hendra virus) Lassa fever virus Marburg virus Rift Valley fever virus South American Haemorrhagic fever viruses Tick-borne encephalitis complex viruses Omsk hemorrhagi fever Russian spring-Summer encephalitis Variola major virus (Smallpox virus) Venezuelan Equine Encephalitis virus Viruses causing hantavirus pulmonary syndrome Yellow fever virus

## LIST OF NONRESTRICTED MICROORGANISMS

Date (month day, year)

SCIENTIFIC NAME

#### FUNGI

Absidia coerulea Absidia corymbifera Absidia ramosa Absidia spinosa Acremonium falciforme Acremonium kiliense Acremonium recifei Acremonium vitis Agaricus bitorquis Agaricus bisporus Agaricus campestris Agaricus sp. (Portabello mushroom) Alternaria alternata Alternaria geophilia Apiotrichum humicola Arthrobotrys - all species in genus Aspergillus candidus Aspergillus clavatus Aspergillus cremeus Aspergillus flavipipes Aspergillus flavus Aspergillus fumigatus Aspergillus glaucus Aspergillus nidulans Aspergillus niger Aspergillus ochraceus Aspergillus restrictus Aspergillus terreus Aspergillus ustus Aspergillus versicolor Aspergillus wentii Asteromyces cruciatus Aureobasidium pullulans Auricularia polytricha

# <u>Beauveria bassiana ANT-03</u> Bipolaris hawaiiensis

Blastomyces dermatitidis Blastoschizomyces capitatus Boletus californicus Boletus granulatus Boletus luteus

# \$4-71A-24

#### SCIENTIFIC NAME

Boletus variegatus Byssochlamys fulva Candida albicans Candida famata Candida geochares Candida glabrata Candida humicola Candida kefyr Candida krusei Candida lipolytica Candida lusitaniae Candida parapsilosis Candida pseudotropicalis Candida quilliermondii Candida rugosa Candida stellatoidea Candida tropicalis Candida zeylanoides Candelabrella - all species in genus Chaetomium globosum Chrysosporium keratinophilum Chrysosporium liquorum Chrysosporium pruinosum Cladosporium bantianum Cladosporium carrionii Cladosporium trichoides Collybia velutipes Cryptococcus albidus Cryptococcus gastricus Cryptococcus huminocola Cryptococcus laurentii Cryptococcus luteolus Cryptococcus neoformans Cryptococcus terreus Cryptococcus uniguttulatus Cunninghamella bertholletiae Cunninghamella blakesleena Cunninghamella elegans Curvularia geniculata Curvularia lunata Dactylaria - all species in genus Dactylella - all species in genus Dendryphiella saliva Dipodascus uninucleatus Drechslera hawaiiensis Drechslera rostrata Drechslera spicifera

# §4-71A-24

#### SCIENTIFIC NAME

Entrophospora columbiana Epicoccum nigrum Epidermophyton floccosum Eremothecium ashbyii Exophiala dermatitidis Exophiala jeanselmei Exophiala spinifera Exophiala werneckii Exserohilum mcginnisii Exserohilum rostratum

Filobasidiella neoformans Fonsecaea compacta Fonsecaea pedrosoi

Geotrichum candidum Geotrichum penicillatum Gigaspora margarita Gliocladium roseum Glomus brasilianum Glomus clarum Glomus deserticola Glomus etunicatum Glomus fasciculatum Glomus intraradices Glomus monosporus Glomus mosseae Gymnoascus reesi

Hansenula anomala Hansenula pollymorpha Hansenula wingei Humicola alopallonella

Issatchenkia orientalis

Lentinus edodes

Malassezia furfur Malassezia pachydermatis Malbranchea cinnamomea Malbranchea pulchella Malbranchea sulfurea Marasmius oreades Microsporum - all species in genus Monosporium apiospermum Mortierella alpina Mucor hiemalis

Mucor pusillus Mucor ramannianus Mucor ramosissimus

Neurospora crassa Neurospora tetrasperma Nigrospora oryzae

Paecilomyces - all species in genus Penicillium - all species in genus Phaeoannellomyces werneckii Phialophora bubakii Phialophora parasitica Phialophora repens Phialophora richardsiae Phialophora verrucosa Phoma glomerata Phoma hibernica Phoma oculo-hominis Phycomyces blakesleeanus Pichia canadensis Pichia pastoris Pisolithus tinctorius Pleurotus cystidiosus Pleurotus djamor Pleurotus ostreatus Pleurotus sajor-caju Pseudallescheria boydii

Rhizopus stolonifer Rhodosporidium - all species in genus Rhodotorula - all species in genus Riessia semiophora

Saccharomyces - all species in genus Saccharomycodes ludwigii Scedosporium - all species in genus Scopulariopsis brevicaulis Scopulariopsis brumptii Sepedonium - all species in genus Sordaria fimicola Sporobolomyces salmonicolor Sporotrichum pruinosum Sporothix schenckii Stemphylium sarcinaeforme Syncephalastrum - all species in genus Stropharia rugosoannulata

Torulopsis - all species in genus

Trichoderma harzianum Trichoderma virens Trichoderma viridae Trichophyton - all species in genus Trichosporon - all species in genus Trichothecium roseum

Ulocladium atrum

Varicosporina ramulosa Verticillum graphii Volvariella volvacea

Wangiella dermatitidis

Yarrowia lipolytica

Zygosaccharomyces bailii Zygosaccharomyces bisporus Zygosaccharomyces rouxii

#### SLIME MOLD

Dictyostelium discoideum Physarum polycephalum

#### BACTERIA

Acetobacter aceti Acetobacter oxydans Acetobacter suboxydans Achromobacter fischeri Acidaminococcus fermentans Acidovorax delafieldii Acidovorax facilis Acinetobacter baumanni Acinetobacter calcoaceticus Acinetobacter haemolyticus Acinetobacter lwofii Actinobacillus pleuropneumoniae Actinobacillus suis Actinomadura madurae Actinomadura pelletieri Actinomyces odontolyticus Actinomyces pyrogenes

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Aerobacter aerogenes
Aerobacter alroynis
Aerococcus viridans
Aeromonas caviae
Aeromonas hydrophila
Aeromonas sobria
Aeromonas veronii
Alcaligenes acidocaldarius
Alcaligenes acidoterrestris
Alcaligenes cupidus
Alcaligenes cycloheptanicus
Alcaligenes dispar
Alcaligenes eutrophus
Alcaligenes faecalis
Alcaligenes viscolactis
Alcaligenes viscosus
Alteromonas putrefaciens
Arcanobacterium haemolyticum
Arizona hinshawii
Arthrobacter agalis
Arthrobacter citreus
Arthrobacter crystallopoietes
Arthrobacter globiformis
Arthrobacter marinus
Arthrobacter paraffineus
Azotobacter - all species in genus
Bacillus - all species in genus except:
      B. anthracis
Bacteroides asaccharolytica
Bacteroides gingivalis
Bacteroides intermedia
Bacteroides loeschii
Bacteroides distasonis
Bacteroides fragilis
Bacteroides incomminus
Bacteroides levii
Bacteroides melaninogenica
Bacteroides ovatus
Bacteroides succinogenes
Bacteroides thetaiotaomicron
Bacteroides uniformis
Bacteroides ureolyticus
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Bacteroides vulgatus

Beggiatoa alba Beneckea hyperoptica

Bordetella bronchiseptica Bordetella parapertussis

§4-71A-24

#### SCIENTIFIC NAME

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Bordetella pertussis
Borrelia burgdorferi
Branhamella (= Moraxella) catarrhalis
Bradyrhizobium - all species in genus
Brevibacterium lipolyticum
Burkholderia cepacia
Butyribacterium rettgeri
Camplyobacter - all species in genus
Caryophanon latum
Cellulomonas biazotea
Cellulomonas pusilla
Chlamydia - all species in genus except:
      C. psittaci avian strains
Chromatium warmingii
Chromobacterium violaceum
Citrobacter (all species in genus)
Clostridium bifermentans
Clostridium butyricum
Clostridium chauvoei
Clostridium difficile
Clostridium equi
Clostridium felsineum
Clostridium flavum
Clostridium haumanii
Clostridium histolyticum
Clostridium innocuum
Clostridium novyi
Clostridium pasteurianum
Clostridium perfringens
Clostridium ramosum
Clostridium rubrum
Clostridium sordellii
Clostridium sporogenes
Clostridium tertium
Clostridium tetani
Clostridium thermosaccharolyticum
Coccobacillus macrouai
Comamonas testosteroni
Corynebacterium amycolatum
Corynebacterium diptheriae
Corynebacterium haemolyticum
Corynebacterium hoffmanni
Corynebacterium jeikeium
Corynebacterium pseudodiphtericum
Corynebacterium xerosis
Cunninghamella - all species in genus
Cytophaga fermentans
Cytophaga johnsonae
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Desulfovibrio desulfuricans

Edwardsiella tarda Eikenella corrodens Enterobacter - all species in genus Enterococcus avium Enterococcus durans Enterococcus faecalis Enterococcus faecium Enterococcus hirae Erwinia dissolvens Erysipelothrix - all species in genus Escherichia coli Eubacterium lentum

Flavobacterium multivorum Flavobacterium meningosepticum Flavobacterium odoratum Fusobacterium mortiferum Fusobacterium necrophorum Fusobacterium nucleatum

Gardnerella vaginalis

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Haemophilus ducreyi
Haemophilus influenzae
Haemophilus parahaemolyticus
Haemophilus parainfluenzae
Haemophilus paraphrophilus
Haemophilus parasuis
Haemophilus sommus
Hafnia - all species in genus
Helicobacter - all species in genus
Hydrogenomonas facilis
Hydrogenomonas ruhlandii
Hydrogenophaga flava
Hydrogenophaga palleronii
Hydrogenophaga pseudoflava
Hyphomicrobium neptunium
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Jonesia - all species in genus

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Kingella kingae
Klebsiella - all species in genus
Kurthia zopfii
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Lactobacillus - all species in genus
Lactococcus cremoris
Lactococcus lactis
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Leclercia adecarboxylata
Legionella - all species in genus
Leptospira - all species in genus
Leptotrichia buccalis
Leuconostoc citrovorum
Leuconostoc cremoris
Leuconostoc mesenteroides
Listeria - all species in genus
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Methanobacterium omelianskii
Methanomonas methylovora
Micrococcus - all species in genus
Micromonospora chalcea
Micromonospora echinospora
Micromonospora fusca
Micromonospora parva
Micromonospora purpurea
Micromonospora vulgaris
Moraxella catarrhalis
Moraxella ureolytica
Moraxella urethralis
Moraxella osloensi
Morganella morganii
Mycobacterium - all species in genus except:
      M. avium
      M. bovis
      M. tuberculosis
Mycoplasma laidlawii
Myroides odoratus
Myxococcus xanthus
Neisseria cinerea
Neisseria flavascens
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Neisseria gonorrhoeae
Neisseria lactamica
Neisseria meningitidis
Neisseria mucosa
Neisseria perflava
Neisseria sicca
Neisseria subflava
Nocardia asteroides
Nocardia brasiliensis
Nocardia coeliaca
Nocardia corallina
Nocardia erythropolis
Nocardia otitidiscaviarum
Nocardia peraffinae
Nocardia rubra
Nocardiopsis dassonvillei
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§4-71A-24

### SCIENTIFIC NAME

Nitrobacter - all species in genus Nitrococcus - all species in genus Nitrosococcus - all species in genus Nitrosomonas - all species in genus Oerskovia xanthineolytica Oligella ureolytica Oligella urethralis Pasteurella aerogenes Pasteurella haemolytica Pasteurella multocida Pediococcus acidilatici Peptococcus glycinophilus Peptococcus saccharolyticus Peptostreptococcus anaerobium Peptostreptococcus elsdenii Peptostreptococcus magnus Peptostreptococcus micros Photobacterium - all species in genus Plesiomonas shigellodies Porphyromonas asaccharolytica Porphyromonas gingivalis Porpohyromonas levii Prevotella intermedia Prevotella loeschii Prevotella melaninogenica Propionibacterium acidipropionici Propionibacterium acnes Propionibacterium freudenreichii Propionibacterium jensenii Propionibacterium pentosaceum Propionibacterium shermanii Propionibacterium technicum Propionibacterium thoenii Proteus mirabilis Proteus penneri Proteus rettgeri Proteus vulgaris Providencia alcalifaciens Providencia rettgeri Providencia stuartii Pseudomonas aeruginosa Pseudomonas alcaligenes Pseudomonas cepacia Pseudomonas citronellolis Pseudomonas delafieldii Pseudomonas denitrificans Pseudomonas facilis

Pseudomonas flava Pseudomonas fluorescens Pseudomonas lucifera Pseudomonas nactus Pseudomonas nigrifaciens Pseudomonas oleovorans Pseudomonas palleronii Pseudomonas pickettii Pseudomonas pseudoalcaligenes Pseudomonas pseudoflava Pseudomonas putida Pseudomonas saccharophila Pseudomonas stutzeri Pseudomonas testosteroni Ralstonia pickettii Rhizobium - all species in genus Rhodobacter sphaeroides Rhodococcus - all species in genus Rhodopseudomonas palustris Rhodopseudomonas sphaeroides Rhodospirillum rubrum Rothia dentocariosa Ruminococcus albus Ruminococcus bromii Ruminococcus flavefaciens Ruminococcus rumen Salmonella - all species in genus except: S. typhi Saprospira grandis Sarcina aurantiaca Sarcina flava Sarcina lutea Sarcina sublfava Sarcina ureae Sarcina ventriculi Selenomonas -all species in genus Serratia - all species in genus Shewanella putrefaciens Shigella - all species in genus Sorangium cellulosum Sphaerotilus natans Sphingobacterium multivorum Sphingobacterium serpens Spirillum volutans Spirochaeta cytophaga Sporocythophaga myxococcoides

Stenotrophomonas maltophilia Streptococcus - all species in genus Streptomyces - all species in Succinimonas - all species in genus Succinivibrio - all species in genus

Thiobacillus dinitrificans Thiobacillus thioparus Treponema zuelzerae

Ureaplama urealyticum

Veillonella alcalescens Veillonella parvula Vibrio adaptatus Vibrio alginolyticus Vibrio algosus Vibrio anguillarum Vibrio cholerae Vibrio fisheri Vibrio haloplanktis Vibrio marinagilis Vibrio marino vulgaris Vibrio marinofulvus Vibrio marinus Vibrio noctiluca Vibrio parahemolyticus Vibrio vulnificus Vitreoscilla stercoraria

Xanthomonas maltophilia

Yersinia enterocolitica Yersinia kristensenii

### VIRUSES

adenovirus - human, all types

coxsackievirus cytomegalovirus

§4-71A-24

Nonrestricted Microorganisms

#### SCIENTIFIC NAME

echovirus enterovirus Epstein-Barr virus

hepatitis virus - types A,B,C,D,E herpes simplex virus - types 1 and 2 herpes varicella zoster virus human immunodeficiency virus - types 1 and 2 human papillomavirus

influenza virus - types A,B,C

measles (rubeola) virus mumps virus

respiratory syncytial virus rhinovirus rotavirus rubivirus (rubella)

vaccinia virus varicella-zoster virus

# BACTERIOPHAGE (Hosts of Bacteriophage)

Acidovorax facilis Actinomyces viscosus Agrobacterium radiobacter Agrobacterium tumefaciens Alteromonas espejiana Alteromonas haloplinktis Anabaena - all species in genus Asticcacaulis excentricus Azotobacter vinelandii

Bacillus brevis Bacillus cereus Bacillus firmus Bacillus licheniformis Bacillus megaterium Bacillus mycoides

Bacillus polymyxa Bacillus pumilus Bacillus stearothermophilus Bacillus subtilis Bacillus thuringiensis Bacteroides fragilis Brochothrix thermosphacta Brucella abortus Brucella melitensis

Campylobacter coli Campylobacter jejuni Caulobacter bacteroides Caulobacter crescentus Caulobacter fusiformis Clostridium sporogenes Comamonas acidovorans Corynebacterium - all species in genus Cytophaga marinoflava

Enterobacter cloacae Enterococcus faecalis Enterococcus faecium Erwinia amylovora Erwinia ananas Escherichia coli

Klebsiella pneumoniae

*Lactobacillus* - all species in genus *Lactococcus lactis Listeria monocytogenes* 

Micrococcus luteus Mycobacterium - all species in genus

Nocardioides albus Nostoc - all species in genus

Plectonema boryanum Propionibacterium acnes Pseudomonas aeruginosa Pseudomonas fluorescens Pseudomonas fragi Pseudomonas putida Pseudomonas syringae

Rhizobium leguminosarum

Rhodospirillum rubrum

Saccharopolyspora rectivirgula Salmonella choleraesuis Salmonella typhimurium Serratia marcescens Shigella - all species in genus Staphylococcus aureus Streptococcus - all species in genus Streptomyces griseus Synechococcus - all species in genus

Thermoactinomyces candidus

Vibrio - all species in genus

Xanthomonas campestris Xanthomonas oryzae

Yersinia pestis Yersinia pseudotuberculosis

#### ALGAE

Chaetoceros - all species in genus except: C. convolutus C. concavicornis Characiosiphon - all species in genus Chilomonas oblonga Chilomonas paramecium Chlorella - all species in genus Cyanophora paradoxis

*Derbesia* - all species in genus *Dunaliella* - all species in genus

Gonium - all species in genus

Isochrysis - all species in genus

Monochrysis - all species in genus

Nannochloropsis - all species in genus

Ochromonas - all species in genus Palmaria mollis Pandorina - all species in genus

Peranema granulifera Peranema trichophorum Prototheca - all species in genus

Rhodochorton purpureum

Skeletonema - all species in genus

Tetraselmis - all species in genus Thalassiosira - all species in genus

Volvox - all species in genus

### PROTOZOA

Amoeba proteus Arcella - all species in genus

Blepharisma - all species in genus

Chaos carolinensis Chilomastix mesnili Colpidium - all species in genus

Didinium - all species in genus Difflugia lobostoma Dileptus - all species in genus

Endolimax nana Entamoeba coli Entamoeba gingivalis Entamoeba hartmanii Enteromonas hominis Euplotes - all species in genus

Iodamoeba buetschlii

Paramecium aurelia Paramecium bursaria Paramecium caudatum Paramecium micronucleatum Paramecium multimicronucleatum

Retortamonas intestinalis

Spirostomum - all species in genus Stentor - all species in genus

Tetrahymena pyriformis Trichomonas hominis Trichomonas tenax

Vorticella - all species in genus

# **III. NEW BUSINESS**

 D. Discussion and Action on the Proposed Amendments to HAR Title 13 Chapter 95,
 Rules Regulating the Taking and Selling of Certain Marine Resources, promulgated by DLNR

Т	L BUSINESS IMPACT STATEMENT
	EGULATORY REVIEW BOARD sed Statutes §201M-2) Date:5/10/2023
Department or Agency: DLNR - Division of A	quatic Resources
Administrative Rule Title and Chapter: Chapter	r 13-95, Hawaii Administrative Rules
Chapter Name: Rules Regulating the Taking and	d Selling of Certain Marine Resources
Contact Person/Title: David Sakoda	
E-mail: david.sakoda@hawaii.gov	Phone: 808-587-0104
A. To assist the SBRRB in complying with the m a statement of the topic of the proposed rules	neeting notice requirement in HRS §92-7, please attach s or a general description of the subjects involved.
pursuant to HRS §92-7?	rson and on the Lieutenant Governor's Website No 330, Honolulu, HI 96817, 8:00 a.m 3:30 p.m.
	Repeal 🖌 Amendment 🖌 Compilation
<ul> <li>(If "No,"</li> <li>* "Affect small business" is defined as "any potential or act direct and significant economic burden upon a small business." HRS §201M-1</li> <li>* "Small business" is defined as a "for-profit corporation, li proprietorship, or other legal entity that: (1) Is domiciled</li> </ul>	No " no need to submit this form.) tual requirement imposed upon a small business that will cause a siness, or is directly related to the formation, operation, or expansion limited liability company, partnership, limited partnership, sole and authorized to do business in Hawaii; (2) Is independently owned full-time or part- time employees in Hawaii." HRS §201M-1
does not require the agency to inter statute or ordinance? (If "Yes voice of the submit	to implement a statute or ordinance that rpret or describe the requirements of the No his form. E.g., a federally-mandated regulation that does not afford the sider less restrictive alternatives. HRS §201M-2(d))
	pursuant to emergency rulemaking? (HRS §201M-2(a)) No his form.)
Revised 09/28/2018	<b>RECEIVED</b> By Small Business Regulatory Review Board at 2:38 pm, May 10, 20

# If the proposed rule affects small business and are not exempt as noted above, please provide a reasonable determination of the following:

1. Description of the small businesses that will be required to comply with the proposed rules and how they may be adversely affected.

Commercial fishers and commercial marine dealers who buy and sell uhu (parrotfish), kala, kole, manini, and pāpa'i kualoa (Kona crab).

2. In dollar amounts, the increase in the level of direct costs such as fees or fines, and indirect costs such as reporting, recordkeeping, equipment, construction, labor, professional services, revenue loss, or other costs associated with compliance.

The proposal establishes commercial uhu and kala fishing permits (\$100.00 each); 25% reduction from the historic reported annual commercial catch of uhu and kala

If the proposed rule imposes a new or increased fee or fine:

- a. Amount of the current fee or fine and the last time it was increased. N/A
- b. Amount of the proposed fee or fine and the percentage increase.

\$100.00 permit fee (percentage unable to be calculated - no previous fee)

c. Reason for the new or increased fee or fine.

To offset the administrative costs of the new permits and to deter fishers from obtaining a permit strictly to circumvent the recreational bag limits

d. Criteria or methodology used to determine the amount of the fee or fine (i.e.,

Consumer Price Index, Inflation rate, etc.).

Consistency with other license/permit fee schedules.

3. The probable monetary costs and benefits to the agency or other agencies directly affected, including the estimated total amount the agency expects to collect from any additionally imposed fees and the manner in which the moneys will be used.

Around \$5,000.00 yearly from permit fees to be used to administer the permit and to fund monitoring and management of the fisheries to support future management decisions.

4. The methods the agency considered or used to reduce the impact on small business such as consolidation, simplification, differing compliance or reporting requirements, less stringent deadlines, modification of the fines schedule, performance rather than design standards, exemption, or other mitigating techniques.

The proposed permitting system is, in and of itself, an effort to mitigate the negative economic impacts to commercial uhu and kala fishers who would otherwise be subject to the proposed statewide bag limits of 2 uhu per person per day and 2 kala per person per day. This proposal is a direct result of numerous scoping sessions with small business, commercial uhu and kala fishers.

5. The availability and practicability of less restrictive alternatives that could be implemented in lieu of the proposed rules.

Available less restrictive alternatives:

1) Complete carve out (no regulations) for commercial uhu and kala fishers (not practical - unfair to recreational and subsistence fishers)

2) No separate permitting system for commercial uhu and kala fishers; Apply carve out for all Commercial Marine License holders (not practical - too difficult to enforce)
3) No Commercial Uhu/Kala Annual Catch Limit (not practical - goal to reduce pressure)

6. Consideration of creative, innovative, or flexible methods of compliance for small businesses. The businesses that will be directly affected by, bear the costs of, or directly benefit from the proposed rules.

See answer to Question #4. The groups that report the highest amount of commercial catch of uhu and kala (also known as highliners) are small business, local families.

- 7. How the agency involved small business in the development of the proposed rules. See answer to Question #4. The Division of Aquatic Resources (DAR) has engaged with the the uhu and kala highliners from the beginning of the development of this proposal and continues to notify them throughout every step of this process. Most recently, DAR, under the direction of the Board of Land and Natural Resources and in consultation with the uhu and kala highliners, has amended the proposal to include the specific accommodations for commercial fishers that are included in this proposal.
  - a. If there were any recommendations made by small business, were the recommendations incorporated into the proposed rule? If yes, explain. If no, why not.

Yes. See answer to Questions #4 and #7.

8. Whether the proposed rules include provisions that are more stringent than those mandated by any comparable or related federal, state, or county standards, with an explanation of the reason for imposing the more stringent standard.

The proposed rules are specifically tailored to the needs of the commercial uhu and kala fishers; the proposed rules are less stringent than the proposed statewide bag limits for recreational and subsistence take of uhu and kala.

If yes, please provide information comparing the costs and benefits of the proposed rules to the costs and benefits of the comparable federal, state, or county law, including the following:

- a. Description of the public purposes to be served by the proposed rule.
  - 1) Ensure the continuation of the commercial uhu and kala fishery
  - 2) Reduce overall fishing pressure on important herbivore species
- b. The text of the related federal, state, or county law, including information about the purposes and applicability of the law.
   N/A
- c. A comparison between the proposed rule and the related federal, state, or county law, including a comparison of their purposes, application, and administration.
- d. A comparison of the monetary costs and benefits of the proposed rule with the costs and benefits of imposing or deferring to the related federal, state, or county law, as well as a description of the manner in which any additional fees from the proposed rule will be used. N/A
- e. A comparison of the adverse effects on small business imposed by the proposed rule with the adverse effects of the related federal, state, or county law.

N/A

 Small Business Regulatory Review Board / DBEDT

 Phone: (808) 586-2594 / Email: <a href="mailto:DBEDT.sbrrb.info@hawaii.gov">DBEDT.sbrrb.info@hawaii.gov</a>

 This Statement may be found on the SBRRB Website at: <a href="http://dbedt.hawaii.gov/sbrrb/resources/small-business-impact-statements">http://dbedt.hawaii.gov</a>

## Amendment and Compilation of Chapter 13-95 Hawaii Administrative Rules

(date of adoption)

1. Chapter 13-95, Hawaii Administrative Rules, entitled "Rules Regulating the Taking and Selling of Certain Marine Resources", is amended and compiled to read as follows:

## "HAWAII ADMINISTRATIVE RULES

# TITLE 13

DEPARTMENT OF LAND AND NATURAL RESOURCES

## SUBTITLE 4 FISHERIES

PART V PROTECTED MARINE FISHERIES RESOURCES

## CHAPTER 95

# RULES REGULATING THE TAKING AND SELLING OF CERTAIN MARINE RESOURCES

\$13-95-1 Definitions \$13-95-1.1 Licenses, permits, and other exemptions \$13-95-2 Penalty \$13-95-3 Severability \$13-95-4 Āholehole \$13-95-5 Manini

§13-95-6	Moano
§13-95-7	Kūmū
§13-95-8	'Ama'ama (striped mullet)
§13-95-9	Awa
§13-95-10	`Ō`io
§13-95-11	Kala
§13-95-12	Kala 'ōpelu
§13-95-13	<b>`</b> Ōpakapaka
§13-95-14	'Ula'ula koa'e (onaga)
§13-95-15	Uku
§13-95-16	Uhu (parrotfish)
§13-95-17	'Ahi
§13-95-18	<b>`</b> Ōpelu
§13-95-19	Akule
§13-95-20	<b>`</b> Iao
§13-95-21	Nehu
§13-95-22	Ulua
§13-95-23	Moi
§13-95-24	Weke `ā
§13-95-25	Kole
§§13-95-26	to 49 (Reserved)
§13-95-50	Pāpa <b>`</b> i kūhonu (white crab)
§13-95-51	Pāpa <b>`</b> i kualoa (Kona crab)
§13-95-52	Samoan crab
§13-95-53	Ula (spiny lobster)
§13-95-54	Ula pāpapa (slipper lobster)
§13-95-55	He <b>'</b> e (tako)
§§13-95-56	to 69 (Reserved)
§13-95-70	Stony corals
§13-95-71	Live rocks

**§13-95-1 Definitions.** As used in this chapter, unless otherwise provided:

	'	'`Ahi	_" m	lear	lS	any	r fis	sh	kno	wn	as	Thunnus	; a	lbacai	res
or	Thu	innus	s ok	esi	IS	or	any	re	ecog	niz	zed	synonym	۱.	<b>`</b> Ahi	
ref	ers	s to	bot	hy	yel	low	fin	tu	ına	( <i>T</i> .	. al	lbacares	3)	and	
big	eye	e tur	na (	Τ.	ok	pesu	ıs).								

["Aholehole"] "Āholehole" means any fish known as Kuhlia xenura or Kuhlia sandvicensis or any recognized synonym. Āholehole are also known as āhole, Hawaiian flagtail, reticulated flagtail, or zebra-head
flagtail.

"Akule" means any fish identified as *Selar* crumenophthalmus or [other] any recognized synonym. [This fish is] Akule are also known as [pa'a'a, halalu, hahalalu, and] pā`ā`ā, halalū, hahalalū, goggle-eyed scad, or big-eyed scad.

"'Ama'ama" means any fish known as *Mugil cephalus* or any recognized synonym between eight and twelve inches in length. Individuals of this species at other life stages are known as pua, kahaha, or 'anae. All life stages of this species are generally known as striped mullet.

"'Anae" means any fish known as *Mugil cephalus* or any recognized synonym greater than twelve inches in length. Individuals of this species at other life stages are known as pua, kahaha, or 'ama'ama. All life stages of this species are generally known as striped mullet.

"Annual catch limit" or "ACL" is the maximum commercial harvest in a given fishing year established for any marine fishery subject to closure. The catch is measured in whole wet weight through cumulative reported landings by commercial marine licensees.

"Aquarium fish permit" means a permit issued by the board pursuant to section 188-31, HRS, for the use of fine mesh nets and traps to take marine fish, freshwater nongame fish, or other aquatic life for aquarium purposes.

"Awa" means any fish known as *Chanos chanos* or any recognized synonym. <u>Awa are also known as</u> milkfish.

"Board" means the board of land and natural resources.

"Break" means to hit with, or to apply sufficient force to reduce to smaller pieces or to crack without actually separating into pieces.

"Carapace length" means the straight line measurement from the tip of the rostrum to the middle of the trailing edge of the body or carapace, not including the <u>abdomen or tail</u>. "Commercial marine licensee" means a person who has been issued a commercial marine license pursuant to section 13-74-20 and section 189-2, HRS.

"Damage" means to scrape, smother, poison, or otherwise cause any physical or physiological harm to the living portion of a stony coral or live rock.

"Day" means a twenty-four hour period.

["He'e"] "He'e" means any mollusk known as Octopus cyanea, Octopus ornatus, or any recognized synonym. <u>He'e are also known as octopus or tako.</u>

"Initial-phase uhu" means any uhu characterized by a dull red, brown, or gray body coloration and the absence of bright green or blue markings.

"Hook-and-line" means a fishing line to which one or more hooks or other tackle are attached. A hookand-line may include a fishing rod or reel or both to cast and retrieve the line.

"'Iao" means any fish known as Atherinomorus insularum or any recognized synonym. 'Iao are also known as Hawaiian silverside or Hawaiian Islands silverside.

"Kahaha" means any fish known as *Mugil cephalus* or any recognized synonym between four and eight inches in length. Kahaha are also known as pahaha. Individuals of this species at other life stages are known as pua, 'ama'ama, or 'anae. All life stages of this species are generally known as striped mullet.

"Kala" means any fish known as Naso unicornis, Naso brevirostris, Naso annulatus, or any recognized synonym. Kala are also known as bluespine unicornfish, short-nosed unicornfish, spotted unicornfish, or whitemargin unicornfish.

<u>"Kala 'ōpelu" means any fish known as Naso</u> <u>hexacanthus or any recognized synonym. Kala 'ōpelu</u> are also known as 'ōpelu kala or sleek unicornfish.

["Kona crab" means any crab known as *Ranina* ranina or any recognized synonym.]

"Kole" means any fish known as *Ctenochaetus* strigosus or any recognized synonym. Kole are also known as kole tang, spotted surgeonfish, goldring surgeonfish, or yellow-eyed tang. ["Kumu"] <u>"Kūmū"</u> means any fish known as Parupeneus porphyreus or any recognized synonym. <u>Kūmū</u> are also known as whitesaddle goatfish.

"Length" means the straight line measurement from the tip of the snout to the middle of the trailing edge of the tail.

"Live rock" means any natural hard substrate to which marine life is visibly attached or affixed.

"Manini" means any fish known as Acanthurus triostegus sandvicensis or any recognized synonym. Manini are also known as convict tang or convict surgeonfish.

"Mitigation" means activities carried out in accordance with this chapter in order to avoid, minimize, restore, or compensate for losses of certain marine resources due to authorized activities.

"Moano" means any fish known as *Parupeneus multifaciatus* or any recognized synonym. <u>Moano are</u> <u>also known as banded goatfish, five-barred goatfish,</u> <u>manybar goatfish, or multibarred goatfish.</u>

"Moi" means any fish known as *Polydactylus* sexfilis or any recognized synonym. <u>Moi are also</u> known as six-fingered threadfin or yellowthread threadfin.

["Mullet" means any fish known as Mugil cephalus or any recognized synonym.]

"Nehu" means any fish known as *Encrasicholina purpurea* or any recognized synonym. Nehu are also known as Hawaiian anchovy.

"Net" means any of various fishing devices of mesh material made into various shapes, such as but not limited to, a bag, sack, pouch, or curtain, used to entangle, surround, or concentrate aquatic life.

["Oio"] <u>"`Ō`io"</u> means any fish known as Albula glossodonta or Albula virgata or any recognized synonym. <u>`Ō`io are also known as roundjaw bonefish,</u> shortjaw bonefish, Indo-Pacific bonefish, sharpjaw bonefish, or smallmouth bonefish.

["Opelu kala" means any fish known as Naso hexacanthus or any recognized synonym.]

"'Ōpakapaka" means any fish known as

Pristipomoides filamentosus or any recognized synonym.

<u>'Ōpakapaka are also known as Hawaiian pink snapper,</u> pink snapper, kinme himedai, or ohimedai.

<u>"'Ōpelu" means any fish of the genus Decapterus.</u> <u>'Ōpelu are also known as mackerel scad.</u>

"Pāpa'i kualoa" means any crab known as *Ranina* ranina or any recognized synonym. Pāpa'i kualoa are also known as pāpa'i kua loa, Kona crab, frog crab, or spanner crab.

"Pāpa'i kūhonu" means any crab known as *Portunus* sanguinolentus or *Portunus hawaiiensis* or any recognized synonym. Pāpa'i kūhonu are also known as pāpa'i kuahonu, kūhonu, kuahonu, blood-spotted swimming crab, or white crab.

"Pua" means any fish known as Mugil cephalus or any recognized synonym between zero and four inches in length. Pua are also known as pua 'ama, pua 'ama'ama, pua po'olā, or pua 'o'olā. Individuals of this species at other life stages are known as kahaha, 'ama'ama, or 'anae. All life stages of this species are generally known as striped mullet.

"Renewable energy projects" means projects developed by renewable energy producers, as the term is defined in section 171-95, Hawaii Revised Statutes, that reduce the consumption of non-renewable energy resources or produce renewable energy.

"Samoan crab" means any crab known as *Scylla serrata* or any recognized synonym. <u>The Samoan crab is</u> <u>a type of swimming crab and is also known as mud crab</u> or mangrove crab.

"Sell" means to solicit and receive an order for; to have, or keep, or offer, or expose for sale; to deliver for value or in any other way than purely gratuitously; to peddle; to keep with intent to sell; and to traffic in.

"Spear" means any device or implement that is designed or used for impaling aquatic life. Spears may include but are not limited to spear gun shafts, arbaletes, arrows, bolts, Hawaiian slings, tridents, or three-prong spears.

"Speared" means [to capture aquatic life by stabbing with a spear or other such pointed device. The presence of any puncture wound on the external surfaces of the aquatic life, which are fresh and does not show signs of healing, shall be evidence that the aquatic life was speared.] pierced, impaled, penetrated, stuck, or run through by a sharp, pointed implement.

["Slipper lobster" means any crustacean of the species Scyllarides squammosus or S. haanii, or recognized synonyms. These animals are also known as rock lobster, mole lobster, shovel-nosed lobster, or ula papapa.

"Spiny lobster" means any crustacean of the genus Panulirus. These animals are also known as lobster, Hawaiian spiny lobster, red lobster, green lobster, or ula.]

"Stony coral" means any invertebrate species belonging to the Order Scleractinia, characterized by having a hard, calcareous skeleton, that are native to the Hawaiian Islands.

"Striped mullet" means any fish known as Mugil cephalus or any recognized synonym. The various life stages of striped mullet are known as pua, kahaha, 'ama'ama, or 'anae.

"Take" means to fish for, catch, capture, confine, or harvest, or to attempt to fish for, catch, capture, confine, or harvest, aquatic life. The use of any gear, equipment, tool, or any means to fish for, catch, capture, confine, or harvest, or to attempt to fish for, catch, capture, confine, or harvest, aquatic life by any person who is in the water, or in a vessel on the water, or on or about the shore where aquatic life can be fished for, caught, captured, confined, or harvested, shall be construed as taking.

"Terminal-phase uhu" means any uhu characterized by the presence of bright green or blue markings or a predominantly green or blue body coloration, often with bright pink, orange, or yellow patches.

"Uhu" means any fish [known as Scarus dubius, Scarus psittacus, Scarus rubroviolaceus, Chlorurus sordidus, Chlorurus perspicillatus, or any recognized synonym.] belonging to the family Scaridae or any recognized synonyms. Uhu is a general term for parrotfish.

"Uhu 'ahu'ula" means any fish known as *Chlorurus* perspicillatus or any recognized synonym that has not reached its terminal phase. Uhu 'ahu'ula have a grayish brown body with reddish fins and a broad white band at the base of the tail. The terminal phase of these fish are known as uhu uliuli. Both uhu 'ahu'ula and uhu uliuli are known as spectacled parrotfish or fantail uhu.

"Uhu 'ele'ele" means any fish known as Scarus rubroviolaceus or any recognized synonym that has reached its terminal phase, indicated by a change in coloration from a predominantly brownish-red or yellowish-gray body with reddish fins, to a predominantly green or blue-green body color with a green beak. Both uhu 'ele'ele and uhu pālukaluka are known as redlip or ember parrotfish or whiptail uhu.

"Uhu pālukaluka" means any fish known as Scarus rubroviolaceus or any recognized synonym that has not reached its terminal phase. Uhu pālukaluka have a predominantly brownish-red or yellowish gray body with reddish fins. The terminal phase of these fish are known as uhu 'ele'ele. Both uhu pālukaluka and uhu 'ele'ele are known as redlip or ember parrotfish or whiptail uhu.

"Uhu uliuli" means any fish known as *Chlorurus* perspicillatus or any recognized synonym that has reached its terminal phase, indicated by a change in coloration from a grayish brown body with reddish fins and a broad white band at the base of the tail, to a blue-green body with a dark band across the top of the snout and the lack of a white tail band. Both uhu uliuli and uhu 'ahu'ula are known as spectacled parrotfish or fantail uhu.

"Uku" means any fish known as Aprion virescens or any recognized synonym. Uku are also known as uku palu, green jobfish, gray jobfish, blue-green snapper, Hawaiian blue-green snapper, gray snapper, slender snapper, or aochibiki.

<u>"Ula" means any spiny lobster of the genus</u> <u>Panulirus.</u> Ula are also known as lobster, Hawaiian <u>spiny lobster, spiny lobster, red lobster, or green</u> lobster.

"Ula pāpapa" means any crustacean of the species Scyllarides squammosus or Scyllarides haanii, or any recognized synonym. Ula pāpapa are also known as ula 'āpapapa, slipper lobster, ridgeback slipper lobster, or shovel-nosed lobster.

"'Ula'ula koa'e" means any fish known as *Etelis* coruscans or any recognized synonym. 'Ula'ula koa'e are also known as koa'e, onaga, long-tail red snapper, ruby snapper, scarlet snapper, or hamadai.

"Ulua" means any fish known as *Caranx ignobilis*, *Caranx lugubris*, *Caranx melampygus*, *Caranx sexfasciatus*, *Carangoides equula*, *Carangoides ferdau*, *Carangoides orthogrammus*, or any recognized synonym. The young of these species are also known as [papio.] pāpio.

["Weke"] "Weke 'ā" means any fish known as Mulloidichthys flavolineatus or any recognized synonym. [These fish] Weke 'ā are also known as [goatfish, yellowstripe goatfish, weke a, and the] goatfish or yellowstripe goatfish. The young of this fish [is] are known as [oama.] 'oama. [Eff 12/03/98; am 1/11/02; am 12/09/02; am 12/19/02; am 5/01/14; am 10/19/18; am and comp 1/31/21; am and comp ] (Auth: HRS §\$187A-3.5, 187A-5, 190-3)

§13-95-1.1 Licenses, permits, and other exemptions. Notwithstanding the provisions of this chapter, the department may issue the following licenses and permits to exempt persons from the provisions of this chapter:

- Licenses issued pursuant to sections 187A-3.5, 188-44, 188-57, or 189-6, HRS;
- (2) Permits issued pursuant to sections 187A-6, 188-23, 188-37, 188-68, or 190-4, HRS; or
- (3) As may be otherwise provided by law. [Eff 12/19/02; am 5/01/14; comp 1/31/21; comp

] (Auth: HRS §\$187A-3.5, 187A-6, 188-44, 188-45, 188-57, 188-68, 190-3) (Imp: HRS §\$187A-3.5, 187A-6, 188-23, 188-37, 188-44, 188-45, 188-57, 188-68, 190-4)

**\$13-95-2 Penalty.** (a) A person violating any section of this chapter may be subject to any applicable criminal or administrative penalties or both. Unless otherwise expressly provided, the remedies or penalties provided by this chapter are cumulative to each other and to the remedies or penalties available under all other laws of this State.

(b) For the purpose of calculating the administrative penalties for violations of this chapter, if a fine per specimen may be applicable, fines per specimen may be imposed on the following basis:

- (1) For finfish, each individual;
- (2) For invertebrates, not including stony corals or live rock, each individual;
- (3) For solitary (having a single polyp) stony corals, each individual;
- (4) For colonial stony corals:
  - (A) Each damaged head or colony less than one square meter in surface area; or
  - (B) For a colony greater than one square meter in surface area, each square meter of colony surface area and any fraction remaining constituting an additional specimen;
- (5) For live rocks, each individual; but if the violation involves greater than one square meter of bottom area, on the basis of each square meter of bottom area. [Eff 12/03/98; am 5/01/14; comp 1/31/21; comp

] (Auth: HRS \$\$187A-5, 190-3) (Imp: HRS \$\$183C-7, 187A-5, 187A-12.5, 187A-13, 188-53, 188-70, 189-4, 190-5) **§13-95-3 Severability.** If any provision of this chapter, or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of the chapter which can be given effect without the invalid provision or application, and to this end the provisions of this chapter are severable. [Eff 12/3/98; comp 1/31/21; comp ] (Auth: HRS §187A-5) (Imp: HRS §\$187A-5, 1-23)

**§13-95-4** [Aholehole.] Aholehole. It [shall be] is unlawful for any person to take, possess, or sell any [aholehole] Aholehole less than five inches in length. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

\$13-95-5 Manini. It [shall be] is unlawful for any person to take, possess, or sell any manini less than [five] six inches in length. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

\$13-95-6 Moano. It [shall be] is unlawful for any person to take, possess, or sell any moano less than seven inches in length. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

**§13-95-7** [Kumu.] Kūmū. It [shall be] is unlawful for any person to take, possess, or sell any

\$13-95-8 [Mullet.] <u>`Ama `ama (striped mullet).</u>
(a) It [shall be] is unlawful for any person to take,
possess, or sell any [mullet] pua, kahaha, or `ama `ama
less than eleven inches in [length.] length except as
provided in subsection (b) of this section.

(b) It is unlawful for any person to wilfully fish for, or attempt to take by any means whatsoever, from any of the waters within the jurisdiction of the State, or to sell, or have in possession any [mullet] pua, kahaha, 'ama'ama, or 'anae during the months of December, January, February, and March; provided that any owner or operator of a fish pond may lawfully catch [the young mullet known as] pua during the closed season, for the purpose of stocking the owner's or operator's pond; and provided further that any owner or operator of a fish pond or any commercial marine dealer may lawfully sell [pond raised mullet] pond-raised pua, kahaha, 'ama'ama, or 'anae during the closed season after first procuring a license to do so pursuant to sections 13-74-40 or 13-74-43. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS \$187A-5)

\$13-95-9 Awa. It [shall be] is unlawful for any
person to take, possess, or sell any awa less than
nine inches in length. [Eff 12/03/98; am 12/19/02;
comp 1/31/21; am and comp ] (Auth: HRS
\$187A-5) (Imp: HRS \$187A-5)

\$13-95-10 [Oio.] <u>`Ō`io.</u> It [shall be] is unlawful for any person to take, possess, or sell any [oio] <u>`ō`io</u> less than fourteen inches in length. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

**§13-95-11 Kala**. (a) It [shall be] is unlawful for any person to take, possess, or sell any kala less than fourteen inches in length.

(b) Subject to subsections (e) and (g), it is unlawful for any person to take more than two kala per day or possess more than two kala at any one time.

(c) It is unlawful for any person to take kala for commercial purposes without a valid commercial kala fishing permit.

(d) The department shall, upon receipt of a valid application and appropriate fee payment, issue a commercial kala fishing permit to any individual who:

- (1) Possesses a valid commercial marine license;
- (2) Provides proof of identity; and
- (3) Has caught and sold at least 100 pounds of kala during the prior kala fishing season, if the individual held a commercial kala fishing permit for the prior kala fishing season.

The fee for the issuance or renewal of a commercial kala fishing permit shall be \$100. A commercial kala fishing permit shall be valid for the duration of the kala fishing season, which extends from August 1 of a given year through March 31 of the following calendar year.

(e) A commercial kala fishing permittee participating in a commercial kala fishing trip may take up to fifty kala per day, and possess up to fifty kala at any one time, provided that:

(1) Commercial harvest or sale of kala shall be prohibited from April through July; and

(2) Commercial harvest or sale of kala shall be prohibited when the commercial kala fishing season is closed pursuant to subsection (h).

(f) It is unlawful for any commercial marine dealer to purchase, possess, or sell kala unless the commercial marine dealer has registered with the department as a commercial kala dealer.

(g) A registered commercial kala dealer may possess and sell more than two kala if in compliance with section 189-11, HRS, provided that:

- (1) No kala may be purchased, possessed, or sold when the commercial kala fishing season is closed pursuant to subsection (h), provided that kala legally obtained prior to the closure may be possessed and sold after the closure; and
- (2) Paragraph (1) notwithstanding, no kala may be purchased, possessed, or sold from April through July.

(h) There is established an annual catch limit (ACL) of 10,000 pounds for the commercial kala fishery. Commercial kala catch shall be tallied beginning in August of each year. When the ACL is reached, the department shall notify commercial kala fishing permittees and registered commercial kala dealers that the commercial kala fishing season will close. Notice shall be made in writing by mail or email to the address on file with the department no less than three days prior to the closure of the season. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS §\$187A-5, 190-3) (Imp: HRS §\$187A-5, 188-53, 190-4)

\$13-95-12 [Opelu kala.] Kala 'opelu. It [shall be] is unlawful for any person to take, possess, or sell any [opelu kala] kala 'opelu less than sixteen inches in length. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5) **§13-95-13** [Opakapaka.] <u>`Opakapaka.</u> (a) It [shall be] is unlawful for any person to possess with the intent to sell, or offer for sale, any [opakapaka] `Opakapaka less than one pound in weight.

(b) It [shall be] is unlawful for any person to take with spear or possess any speared [opakapaka] <u>`opakapaka</u> less than one pound in weight. [Eff 12/3/98; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

\$13-95-14 [Onaga.] 'Ula'ula koa'e (onaga). (a)
It [shall be] is unlawful for any person to possess
with the intent to sell, or offer for sale, any
[onaga] 'ula'ula koa'e less than one pound in weight.
 (b) It [shall be] is unlawful for any person to
take with spear or possess any speared [onaga]
'ula'ula koa'e less than one pound in weight. [Eff
12/3/98; comp 1/31/21; am and comp ]
(Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

**§13-95-16** [Uhu.] Uhu (parrotfish). [It shall be unlawful for any person to take, possess, or sell any uhu less than twelve inches in length.] (a) It is unlawful for any person to take, possess, or sell any uhu 'ele'ele or uhu uliuli at any time. (b) It is unlawful for any person to take, possess, or sell any uhu pālukaluka or any uhu 'ahu'ula less than fourteen inches in length.

(c) Any other department size restriction notwithstanding, subject to subsections (a) and (b), it is unlawful for any person to take, possess, or sell any other uhu less than ten inches in length.

(d) Subject to subsections (g) and (i), it is unlawful for any person to take more than two uhu of any variety per day or possess more than two uhu of any variety at any one time.

(e) It is unlawful for any person to take uhu for commercial purposes without a valid commercial uhu fishing permit.

(f) The department shall, upon receipt of a valid application and appropriate fee payment, issue a commercial uhu fishing permit to any individual who:

- (1) Holds a valid commercial marine license;
- (2) Provides proof of identity; and
- (3) Has caught and sold at least 340 pounds of uhu during the prior uhu fishing season, if the individual held a commercial uhu fishing permit for the prior uhu fishing season.

The fee for the issuance or renewal of a commercial uhu fishing permit shall be \$100. A commercial uhu fishing permit shall be valid for the duration of the uhu fishing season, which extends from June 1 of a given year through January 31 of the following calendar year.

(g) A commercial uhu fishing permittee participating in a commercial uhu fishing trip may take up to thirty uhu pālukaluka per day, and possess up to thirty uhu pālukaluka at any one time, provided that:

- (1) Only uhu pālukaluka under twenty inches in length may be taken or possessed on a commercial fishing trip;
- (2) <u>No other species of uhu may be taken or</u> possessed on a commercial fishing trip;
- (3) Commercial harvest or sale of uhu shall be prohibited from February through May; and

(4) Commercial harvest or sale of uhu shall be prohibited when the commercial uhu fishing season is closed pursuant to subsection (j).

(h) It is unlawful for any commercial marine dealer to purchase, possess, or sell uhu unless the commercial marine dealer has registered with the department as a commercial uhu dealer.

(i) A registered commercial uhu dealer may purchase, possess, and sell more than two uhu if in compliance with section 189-11, HRS, provided that:

- (1) Only uhu pālukaluka less than twenty inches may be purchased, possessed, or sold;
- (2) <u>No other species of uhu may be purchased</u>, possessed, or sold;
- (3) No uhu may be purchased, possessed, or sold when the commercial uhu fishing season is closed pursuant to subsection (j), provided that uhu legally obtained prior to the closure may be possessed and sold after the closure; and
- (4) Paragraph (3) notwithstanding, no uhu may be purchased, possessed, or sold from February through May.

(j) There is established an annual catch limit (ACL) of 34,000 pounds for the commercial uhu fishery. Commercial uhu catch shall be tallied beginning in June of each year. When the ACL is reached, the department shall notify commercial uhu fishing permittees and registered commercial uhu dealers that the commercial uhu fishing season will close. Notice shall be made in writing by mail or email to the address on file with the department no less than three days prior to the closure of the season. [Eff 12/03/98; am 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS §\$187A-5, 190-3) (Imp: HRS §\$187A-5, 188-53, 190-4)

**\$13-95-17** [Ahi.] 'Ahi. (a) It [shall be] is unlawful for any person to possess with the intent to

sell, or offer for sale, any [ahi] <u>`ahi</u> less than three pounds in weight.

(b) It [shall be] is unlawful for any person to take with spear or possess any speared [ahi] <u>`ahi</u> less than three pounds in weight. [Eff: 12/3/98; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

\$13-95-18 [Opelu.] <u>'Opelu.</u> It [shall be] is unlawful for any person at any time, to fish for or take, or be engaged in fishing or taking [opelu] <u>'opelu</u> with fish or [animal bait] animal bait, also known as "chop-chop", within the waters off the coast of South Kona, [island of Hawaii,] Hawai'i Island, between the [Kiilae-Keokea] Ki'ilae-Keokea boundary and the [Kapua-Kaulanamauna] Kapu'a-Kaulanamauna boundary, except with [hook and line.] hook-and-line. [Eff 12/3/98; comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

**§13-95-19 Akule.** (a) It [shall be] <u>is</u> unlawful for any person to take any akule measuring less than eight and one-half inches in length, with a net during the months of July, August, September, and October.

(b) It is unlawful for any person, other than marine seafood dealers, to possess or sell more than two hundred pounds of akule measuring less than eight and one-half inches in length per day during July, August, September, and October; except as may be otherwise provided by law. [Eff 12/03/98; am 1/11/02; comp 1/31/21; am and comp ] (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

**§13-95-20** [**Iao.**] <u>'Iao.</u> (a) It [shall be] <u>is</u> unlawful for any person at any time to sell, offer for

sale, or trade, any dried or cured [iao] <u>`iao</u> taken
from the waters within the jurisdiction of the State.
 (b) It is unlawful for any person to fish for,
catch, or take in or from any of the waters within the
jurisdiction of the State any [iao;] <u>`iao;</u> provided
that the department may issue licenses pursuant to
section 13-74-22, to take [iao] <u>`iao</u> for use as bait
only. [Eff: 12/3/98; comp 1/31/21; am and comp
] (Auth: HRS §187A-5) (Imp: HRS

§187A-5)

**\$13-95-21 Nehu.** (a) It [shall be] is unlawful for any person at any time to sell, offer for sale, or trade, any dried or cured nehu taken from the waters within the jurisdiction of the State.

(b) It is unlawful for any person to fish for, catch, or take in or from any of the waters within the jurisdiction of the State any nehu; provided that the department may issue licenses pursuant to section 13-74-22, to take nehu for use as bait only and as [maybe] may be otherwise allowed under chapter 13-90. [Eff 12/3/98; comp 1/31/21; am and comp

] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

**§13-95-22 Ulua.** (a) It is unlawful for any person to take or possess any ulua less than ten inches in length.

(b) It is unlawful for any person to sell any ulua less than sixteen inches in length.

(c) It is unlawful for any person to take or possess more than twenty ulua measuring more than ten inches in length per day; provided that a commercial marine licensee may take, possess, and sell more than twenty such ulua; and further provided that a commercial marine dealer may possess and sell more than twenty such ulua with receipts issued for the purchase pursuant to section 189-11, Hawaii Revised Statutes. [Eff 12/19/02; comp 1/31/21; comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

Historical Note: Section 13-95-22 is based substantially upon Chapter 87 of Title 13. [Eff 5/26/81; am 1/25/82; R 12/19/02] Chapter 87 of Title 13 was based substantially upon Regulation 19 of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii. [Eff 3/28/58; am 10/6/58; R 5/26/81]

**§13-95-23 Moi.** (a) It is unlawful for any person to take, possess, or sell any moi less than eleven inches in length.

It is unlawful for any person to take, (b) possess, or sell more than fifteen moi per day during September through May; provided that a commercial marine dealer may possess and sell more than fifteen moi with receipts issued for the purchase pursuant to section 189-11, Hawaii Revised Statutes.

(c) It is unlawful for any person to take, possess, or sell any moi during June, July, and August. [Eff 12/19/02; comp 1/31/21; comp ] (Auth: HRS §187A-5) (Imp: HRS

\$187A-5)

Historical Note: Section 13-95-23 is based substantially upon Chapter 88 of Title 13. [Eff 5/26/81; am and comp 12/20/86; R 12/19/02] Chapter 88 of Title 13 was based substantially upon Regulation 20 [Eff: 3/20/58; am 10/6/58; am 7/9/59; am 5/4/68; R 5/26/81] and Regulation 21 [Eff: 3/28/58; am 10/6/58; am 7/9/59; R 5/26/81] of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii.

**§13-95-24** [Weke.] Weke 'ā. (a) It is unlawful for any person to take or possess more than fifty [weke] weke 'ā less than seven inches in length per day.

(b) It is unlawful for any person to sell any [weke] weke 'ā less than seven inches in length. [Eff 12/19/02; comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

Historical Note: Section 13-95-24 is based substantially upon Chapter 88 of Title 13. [Eff 5/26/81; am and comp 12/20/86; R 12/19/02] Chapter 88 of Title 13 was based substantially upon Regulation 20 [Eff: 3/20/58; am 10/6/58; am 7/9/59; am 5/4/68; R 5/26/81] and Regulation 21 [Eff: 3/28/58; am 10/6/58; am 7/9/59; R 5/26/81] of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii.

<u>§13-95-25</u> Kole. It is unlawful to take,

possess,	or sell any kole less than	five	inches	in
length.	[Eff and comp	]	(Auth:	HRS
§187A-5)	(Imp: HRS §187A-5)			

### §§13-95-26 to 13-95-49 (Reserved)

**§13-95-50** [Kuhonu crab.] <u>Pāpa'i kūhonu (white</u> <u>crab).</u> (a) It [shall be] is unlawful for any person to possess with the intent to sell, or offer for sale, any [kuhonu crab] <u>pāpa'i kūhonu</u> less than four inches in length or in width across or along its back.

(b) It is unlawful for any person to [catch or take from any bays, harbors, or other waters of the State, or to expose or offer for sale, or to hold in possession with the intent of exposing or offering for sale, or to kill,] take, possess, or sell any [kuhonu crab] pāpa'i kūhonu [while] with eggs. Any [kuhonu crab] pāpa'i kūhonu with eggs caught must immediately be returned to the waters from which the crab was taken. The possession of any [kuhonu crab,] pāpa'i kūhonu, showing indications of [the] its eggs having been scraped or removed [therefrom, shall be] is prima facie evidence of [the] a violation of this section.

(c) [No person shall] It is unlawful for any person to pursue, take, or kill any [kuhonu crab] pāpa'i kūhonu in the State with a spear.

(d) [No person shall] It is unlawful for any person to offer for sale any speared [kuhonu crab.] pāpa'i kūhonu. [Eff 12/3/98; comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

\$13-95-51 [Kona crab.] Pāpa'i kualoa (Kona crab). (a) It is unlawful for any person to take, possess, or sell any [Kona crab] pāpa'i kualoa less than four inches in carapace length.

(b) It is unlawful for any person to take, possess, or sell any [Kona crab] <u>pāpa'i kualoa</u> taken from the waters within the jurisdiction of the State [during the months of May, June, July, and August.] from May through September.

(c) The possession of any [Kona crab] <u>pāpa'i</u> <u>kualoa from May through September</u> by any person [during the months of May, June, July, and August <u>shall be</u>] <u>is</u> prima facie evidence that the person is guilty of a violation of this section; provided that any commercial marine dealer may sell, or any hotel, restaurant, or other public eating house may serve [Kona crab] <u>pāpa'i kualoa</u> lawfully caught during the open season by first procuring a license to do so pursuant to section 13-74-41.

(d) It is unlawful for any person to take, possess, or sell any [Kona crab] pāpa'i kualoa with eggs. Any [Kona crab] pāpa'i kualoa with eggs caught must immediately be returned to the waters from which the crab was taken. The possession of any [Kona crab,] pāpa'i kualoa showing indications of [the] its eggs having been scraped or removed [therefrom, shall be] is prima facie evidence of [the] a violation of this section.

(e) It is unlawful for any person to pursue, take, or kill any [Kona crab] pāpa'i kualoa in the State with a spear.

(f) It is unlawful for any person to possess or sell any speared [Kona crab.] pāpa'i kualoa.

[(g) It is unlawful for any person to take or kill any female Kona crab.] [Eff 12/03/98; am 12/19/02; am and comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §§187A-5, 188-57)

**\$13-95-52 Samoan crab.** (a) It is unlawful for any person to take, possess, or sell any Samoan crab less than six inches in width measured across the carapace or back.

(b) It is unlawful for any person to take, kill, possess, or sell any Samoan crab with eggs. Any Samoan crab with eggs caught must immediately be returned to the waters from which the Samoan crab was taken. The possession of any Samoan crab, showing indications of [the] its eggs having been scraped or removed [therefrom, shall be] is prima facie evidence of [the] a violation of this section.

(c) It is unlawful for any person to pursue, take, or kill any Samoan crab in the State with a spear.

(d) It is unlawful for any person to possess or sell any speared Samoan crab.

(e) It is unlawful for any person to take or kill any female Samoan crab. [Eff 12/3/98; am and comp 1/31/21; am and comp ] (Auth: HRS §187A-5) (Imp: HRS §187A-5)

Historical note: Subsection 13-95-52(a) is based substantially upon chapter 84 of title 13. [Eff

5/26/81; am 1/25/82; R 1/31/21] Chapter 84 of Title 13 was based substantially upon Regulation 14 of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii. [Eff 11/25/41 (Governor's approval date); am 7/28/47; am and ren 3/28/58; R 5/26/81]

**§13-95-53** [Spiny lobster.] Ula (spiny lobster). (a) It is unlawful for any person to take, kill, possess, or sell any [spiny lobster] ula less than three and one-fourth inches in carapace length, measured in a straight line along the carapace or head, from the ridge between the two largest spines above the eyes to the rear edge of the carapace.

(b) It is unlawful for any person to take, kill, possess, or sell any [spiny lobster] <u>ula</u> taken from the waters within the jurisdiction of the State during the months of May, June, July, and August.

(c) The possession of any [spiny lobster] ula by any person during the months of May, June, July, and August [shall be] is prima facie evidence that the person is guilty of a violation of this section; provided that any commercial marine dealer may sell, or any hotel, restaurant, or other public eating house may serve [spiny lobster] ula lawfully caught during the open season by first procuring a license to do so pursuant to section 13-74-41.

(d) It is unlawful for any person to take, kill, possess, or sell any [spiny lobster] ula with eggs. Any [spiny lobster] ula with eggs caught must immediately be returned to the waters from which the [spiny lobster] ula was taken. The possession of any [spiny lobster,] ula showing indications of [the] its eggs having been scraped or removed [therefrom, shall be] is prima facie evidence of [the] a violation of this section.

(e) It is unlawful for any person to pursue, take, or kill any [spiny lobster] <u>ula</u> in the State with a spear.

(f) It is unlawful for any person to possess or sell any speared [spiny lobster.] ula.

(g) It is unlawful for any person to possess or sell any [spiny lobster] <u>ula</u> in a condition where the body is mutilated, or the carapace and tail are separated.

(h) It is unlawful for any person to take or kill any female [spiny lobster.] ula. [Eff 12/3/98; am and comp 1/31/21; am and comp ] (Auth: HRS \$\$187A-5, 188-53) (Imp: HRS \$\$187A-5, 188-57)

Historical note: Subsections 13-95-53(a) and (g) are based substantially upon Chapter 89 of Title 13. [Eff 5/26/81; am 6/6/83; am 6/25/84; am and comp 2/6/87; am and comp 5/5/88; am and comp 8/14/89; R 1/31/21] Chapter 89 of Title 13 was based substantially upon Regulation 22 of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii. [Eff 3/28/58; am 10/6/58; am 7/9/59; am 7/18/59 (Governor's approval date); am 9/17/60 (Governor's approval date); am 8/4/78; R 5/26/81]

\$13-95-54 [Slipper lobster.] Ula pāpapa (slipper lobster). (a) It is unlawful for any person to take, kill, possess, or sell any [slipper lobster] ula pāpapa less than two and three-fourths inches in tail width, measured in a straight line across the widest spot of the tail between the first and second abdominal segments.

(b) It is unlawful for any person to take, kill, possess, or sell any [slipper lobster] <u>ula pāpapa</u> taken from the waters within the jurisdiction of the State during the months of May, June, July, and August.

(c) The possession of any [slipper lobster] ula <u>pāpapa</u> by any person during the months of May, June, July, and August [shall be] is prima facie evidence that the person is guilty of a violation of this section; provided that any commercial marine dealer may sell, or any hotel, restaurant, or other public eating house may serve [slipper lobster] <u>ula pāpapa</u> lawfully caught during the open season by first procuring a license to do so pursuant to section 13-74-41.

(d) It is unlawful for any person to take, kill, possess, or sell any [slipper lobster] <u>ula pāpapa</u> with eggs. Any [slipper lobster] <u>ula pāpapa</u> with eggs caught must immediately be returned to the waters from which the [slipper lobster] <u>ula pāpapa</u> was taken. The possession of any [slipper lobster,] <u>ula pāpapa</u> showing indications of [the] eggs having been scraped or removed [therefrom, shall be] <u>is</u> prima facie evidence of [the] a violation of this section.

(e) It is unlawful for any person to pursue, take, or kill any [slipper lobster] <u>ula pāpapa</u> in the State with a spear.

(f) It is unlawful for any person to possess or sell any speared [slipper lobster.] ula pāpapa.

(g) It is unlawful for any person to possess or sell any [slipper lobster] <u>ula pāpapa</u> in a condition where the body is mutilated, or the carapace and tail are separated. [Eff 12/3/98; am and comp 1/31/21; am and comp ] (Auth: HRS §\$187A-5, 188-53) (Imp: HRS §\$187A-5, 188-57)

Historical note: Subsections 13-95-54(a) and (g) are based substantially upon chapter 89 of title 13 [Eff 5/26/81; am 6/6/83; am 6/25/84; am and comp 2/6/87; am and comp 5/5/88; am and comp 8/14/89; R 1/31/21] Chapter 89 of title 13 was based substantially upon regulation 22 of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii. [Eff 3/28/58; am 10/6/58; am 7/9/59; am 7/18/59 (Governor's approval date); am 9/17/60 (Governor's approval date); am 8/4/78; R 5/26/81]

**§13-95-55** [He'e.] <u>He'e (tako).</u> It [shall be] <u>is</u> unlawful for any person to take, possess, or sell any [he'e] he'e less than one pound in weight. [Eff

12/19/02; comp 1/31/21; am and comp (Auth: HRS \$187A-5) (Imp: HRS \$187A-5)

Historical Note: Section 13-95-55 is based substantially upon Chapter 86 of Title 13. [Eff 5/26/81; R 12/19/02] Chapter 86 of Title 13 was based substantially upon Regulation 18 of the Division of Fish and Game, Department of Land and Natural Resources, State of Hawaii. [Eff 3/28/58; am 10/6/58; R 5/26/81]

**\$13-95-70 Stony corals.** (a) Except as otherwise provided in this section or authorized by law:

- Subject to subsections (b) and (c), it is unlawful for any person to take, break, or damage any stony coral, except as provided in sections 171-58.5 and 205A-44, HRS;
- (2) It is unlawful for any person to damage any stony coral by any intentional or negligent activity causing the introduction of sediment, biological contaminants, or pollution into state waters;
- (3) It is unlawful for any person to sell any stony coral; except that stony coral rubble pieces or fragments imported for the manufacture and sale of coral jewelry, or dead stony coral obtained through legal dredging operations in Hawaii for agricultural or other industrial uses, may be sold.

(b) No liability shall be imposed under subsection (a)(1) of this section for inadvertent breakage, damage, or displacement of an aggregate area of less than one half square meter of coral if caused by:

(1) A vessel with a single anchor damage incident, in an area where anchoring is not otherwise prohibited, and not more frequently than once per year; or

]

(2) Accidental physical contact by an individual person.

(c) The [Department] department may authorize damage to stony corals for the development or operation of renewable energy projects and shall require mitigation to offset any stony coral losses.

(d) Any person found in violation of any provision of this section pursuant to a criminal prosecution shall be subject to penalty as provided under section 187A-13, HRS. Any person found in violation of any provision of this section pursuant to civil or administrative action shall be subject to penalty as provided under section 187A-12.5, HRS. [Eff 12/03/98; am 12/09/02; am 5/01/14; am 10/19/18; comp 1/31/21; am and comp ] (Auth: HRS §\$187A-5, 189-6, 190-3) (Imp: HRS §\$187A-6, 187A-12.5, 187A-13, 188-68, 189-6, 190-1, 190-3, 190-5)

**§13-95-71 Live rocks.** (a) Except as otherwise provided in this section or authorized by law:

- (1) Subject to subsections (b) and (c), it is unlawful for any person to take, break, or damage any live rock;
- (2) Subject to subsection (b), it is unlawful for any person to damage any live rock by any intentional or negligent activity causing the introduction of sediment, biological contaminants, or pollution into state waters; and
- (3) It is unlawful for any person to sell any live rock.

(b) No liability shall be imposed under

subsections (a)(1) or (a)(2) of this section for inadvertent breakage, damage, or displacement of an aggregate area of less than one square meter of live rock bottom cover.

(c) The [Department] department may authorize damage to live rock for the development or operation of renewable energy projects and shall require mitigation to offset any live rock losses.

(d) Any person found in violation of any provision of this section pursuant to a criminal prosecution shall be subject to penalty as provided under section 187A-13, HRS. Any person found in violation of any provision of this section pursuant to civil or administrative action shall be subject to penalty as provided under section 187A-12.5, HRS." [Eff 12/03/98; am 12/09/02; am 5/01/14; am 10/19/18; comp 1/31/21; am and comp ] (Auth: HRS §\$187A-5, 189-6, 190-3) (Imp: HRS §\$187A-6, 187A-12.5, 187A-13, 188-68, 189-6, 190-1, 190-3, 190-5)

2. Material, except source notes and other notes, to be repealed is bracketed and stricken. New material is underscored.

3. Additions to update source notes and other notes to reflect these amendments and compilation are not underscored.

4. These amendments to and compilation of chapter 13-95, Hawaii Administrative Rules shall take effect ten days after filing with the Office of the Lieutenant Governor.

I certify that the foregoing are copies of the rules, drafted in Ramseyer format pursuant to the requirements of section 91-4.1, Hawaii Revised Statutes, which were adopted on \_\_\_\_\_\_, and filed with the Office of the Lieutenant Governor.

DAWN N.S. CHANG Chairperson, Board of Land and Natural Resources

APPROVED AS TO FORM:

Deputy Attorney General

# **IV. Legislative Matters**

A.Update on Governor's Message Submitted for Consideration for the Gubernatorial Nomination of Jennifer Salisbury to the Small Business Regulatory Review Board for a term to expire June 30, 2027

No Handout

# V. Administrative Matters

- A.Update on the Board's Upcoming Advocacy Activities and Programs in accordance with the Board's Powers under Section 201M-5, HRS
  - 1.Board's Budget Request
  - 2. Presentations to Industry Associations
  - 3. Staff's Small Business Outreach
  - 4. Director Letters and Meetings with State Agencies and Counties

No Handouts