

HAWAI‘I PREVENTION PRIORITY DISTRIBUTION LIST

Created May 29, 2020

This list was created to support the key actions outlined in Strategy 1 of the HISC & CGAPS 2025 Joint Strategy. To better communicate and measure progress toward the goal of improving invasive species prevention programs, we will use a non-regulatory Hawai‘i Prevention Priority List of different types of potential invaders which could arrive from a variety of source regions, and by different pathways. By focusing on the prevention of these “sentinel” species and pathways, countless other potentially harmful species may also be prevented. Note that this is not a comprehensive list of all species of concern, nor is it intended to be a regulatory list—it is solely for planning, communication, and assessment purposes.

Virus/Bacteria/Fungus

Common name	Species	Source
Cadang-cadant	coconut cadang-cadang viroid	HAR 4-70-43
Tinangaja	coconut tinangaja viroid	HAR 4-70-43
Bobone disease	colocasia bobone disease virus	HAR 4-70-51
Alomae disease	taro bacilliform virus	HAR 4-70-51
Woodiness disease	passion fruit woodiness virus	HAR 4-70-32
West Nile virus	<i>Flavivirus</i>	DLNR-DOFAW
Citrus greening	<i>Candidatus Liberabacter africanus</i>	CABI-ISC
Citrus greening	<i>Candidatus Liberabacter americanus</i>	CABI-ISC
Citrus greening	<i>Candidatus Liberabacter asiaticus</i>	USDA-APHIS
Lethal yellows	<i>Candidatus Phytoplasma palmae</i>	HAR 4-70-43
Citrus canker	<i>Xanthomonas axonopodis</i>	USDA-APHIS
Pierce's disease	<i>Xyella fastidiosa</i>	CABI-ISC
Fusarium banana wilt disease	<i>Fusarium oxysporum</i>	CABI-ISC
Coffee rust	<i>Hemileia vastarix</i>	HAR 4-70-16
Sudden oak death	<i>Phytophthora ramorum</i>	USDA-APHIS

Aquatic Species

Common name	Species	Source
Water hyacinth	<i>Eichhornia crassipes</i>	IUCN 100
Mudmats	<i>Glossostigma diandrum</i>	HAR 4-70A (pending)
Yellow water snowflake	<i>Nymphoides geminata</i>	HAR 4-70A (pending)
Bighead carp	<i>Hypophthalmichthys nobilis</i>	DLNR-DAR
Black carp	<i>Mylopharyngodon piceus</i>	DLNR-DAR
Grass carp	<i>Ctenopharyngodon idella</i>	DLNR-DAR
Silver carp	<i>Hypophthalmichthys molitrix</i>	DLNR-DAR
Green crab	<i>Carcinus maenas</i>	DLNR-DAR

Nile perch	<i>Lates niloticus</i>	DLNR-DAR
Northern Pacific seastar	<i>Asterias amurensis</i>	DLNR-DAR
Chinese mitten crab	<i>Eriocheir sinensis</i>	DLNR-DAR
Asian green mussel	<i>Perna viridis</i>	DLNR-DAR
Veined rapa whelk	<i>Rapana venosa</i>	DLNR-DAR

Terrestrial Plant

Common name	Species	Source
Chinese violet	<i>Asystasia gangetica micrantha</i>	HAR 4-70A (pending)
Porcupine flower	<i>Barleria prionitis</i>	HAR 4-70A (pending)
Magellan barberry	<i>Berberis buxifolia</i>	HAR 4-70A (pending)
Trailing lily	<i>Bomarea multiflora</i>	HAR 4-70A (pending)
Thurston grass	<i>Brachiaria paspaloides</i>	HAR 4-70A (pending)
Tropical giant salvia	<i>Brillantaisia lamium</i>	HAR 4-70A (pending)
Spiny broom	<i>Calicotome spinosa</i>	HAR 4-70A (pending)
Weeping brown sedge	<i>Carex flagellifera</i>	HAR 4-70A (pending)
Biddy bush	<i>Cassinia arcuata</i>	HAR 4-70A (pending)
Trumpet tree	<i>Cecropia schreberiana</i>	HAR 4-70A (pending)
Yellow starthistle	<i>Centaurea solstitialis</i>	HAR 4-70A (pending)
Boneseed	<i>Chrysanthemoides monilifera</i>	HAR 4-70A (pending)
Sweet virgin's bower	<i>Clematis flammula</i>	HAR 4-70A (pending)
Gray leaf cotoneaster	<i>Cotoneaster glaucophyllus</i>	HAR 4-70A (pending)
Spreading willow-leaf cotoneaster	<i>Cotoneaster salicifolius</i>	HAR 4-70A (pending)
Lightning weed	<i>Drymaria arenarioides</i>	HAR 4-70A (pending)
Bearskin festuca	<i>Festuca gautieri</i>	HAR 4-70A (pending)
Swan milkweed	<i>Gomphocarpus fruticosus</i>	HAR 4-70A (pending)
Brazilian giant rhubarb	<i>Gunnera manicata</i>	HAR 4-70A (pending)
Dusky coral pea	<i>Kennedia rubicunda</i>	HAR 4-70A (pending)
Yellow soldier	<i>Lachenalia reflexa</i>	HAR 4-70A (pending)
Tufted honey flower	<i>Melianthus comosus</i>	HAR 4-70A (pending)
Cape tulip	<i>Moraea ochroleuca</i>	HAR 4-70A (pending)
Nipa palm	<i>Nypa fruticans</i>	HAR 4-70A (pending)
Stemless thistle	<i>Onopordum acaulon</i>	HAR 4-70A (pending)
Silver dollar plant	<i>Opuntia robusta</i>	HAR 4-70A (pending)
Garden geranium	<i>Pelargonium</i>	HAR 4-70A (pending)
Speckled spur flower	<i>Plectranthus alchemilloides</i>	HAR 4-70A (pending)
Daily pine	<i>Psoralea pinnata</i>	HAR 4-70A (pending)

Italian buckhorn	<i>Rhamnus alaternus</i>	HAR 4-70A (pending)
Rhododendron	<i>Rhododendron ponticum</i>	HAR 4-70A (pending)
Giant bramble	<i>Rubus alceifolius</i>	HAR 4-70A (pending)
European blackberry	<i>Rubus fruticosus</i>	HAR 4-70A (pending)
Creeping groundsel	<i>Senecio angulatus</i>	HAR 4-70A (pending)
Large senecio	<i>Senecio glastifolius</i>	HAR 4-70A (pending)

Terrestrial Invertebrate

Common name	Species	Source
Acacia whitefly	<i>Tetraleurodes acaciae</i>	DLNR-DOFAW
African citrus psyllid	<i>Trioza erytrae</i>	CABI-ISC
Africanized honeybee	<i>Apis mellifera scutellata</i>	DLNR-DOFAW
Asian giant hornet	<i>Vespa mandarina</i>	DLNR-DOFAW
Asian longhorned beetle	<i>Anoplophora glabripennis</i>	IUCN 100
Blue gum chalcid	<i>Leptocybe invasa</i>	DLNR-DOFAW
Brown marmorated stink bug	<i>Halymorpha halys</i>	CABI-ISC
Cabbage maggot	<i>Delia radicum</i>	HAR 4-70-21
Camphor scale	<i>Pseudaonidia duplex</i>	DLNR-DOFAW
Caribbean fruit fly	<i>Anastrepha suspensa</i>	HAR 4-70-47
Citrus longhorned beetle	<i>Anoplophora chinensis</i>	CABI-ISC
Coconut scale	<i>Aspidiotus regidus</i>	DLNR-DOFAW
coconut crab	<i>Birgus latro</i>	DLNR-DAR
European corn borer	<i>Ostrinia nubilalis</i>	HAR 4-70-40
European pine shoot moth	<i>Rhyacionia buoliana</i>	HAR 4-70-35
False codling moth	<i>Thaumatotibia leucotrata</i>	USDA-APHIS
German wasp	<i>Vespula germanica</i>	DLNR-DOFAW
Gypsy moth	<i>Lymantria dispar</i> various subspecies	IUCN 100
Khapra beetle	<i>Trogoderma granarium</i>	IUCN 100
Lac scale	<i>Tachardiella mexicana</i>	DLNR-DOFAW
Mealybug	<i>Paracoccus mexicanus</i>	DLNR-DOFAW
Midge	<i>Parallelodiplosis cattleya</i>	HAR 4-70-24
Passion vine hopper	<i>Scolypopa australis</i>	HAR 4-70-32
Pineapple borer	<i>Strymon megarus</i>	HAR 4-70-12
Red imported fire ant	<i>Solenopsis invicta</i>	IUCN 100
Red palm mite	<i>Raoiella indica</i>	DLNR-DOFAW
Red palm weevil	<i>Rhynchophorus ferrugineus</i>	CABI-ISC
Soft wax scale	<i>Ceroplastes destructor</i>	DLNR-DOFAW

South American orchid bug	<i>Tenthocoris bicolor</i>	HAR-70-24
South American palm weevil	<i>Rhynchophorus palmarum</i>	CABI-ISC
South American stem borer	<i>Diorymerellus laevimargo</i>	HAR 4-70-24
Spotted lanternfly	<i>Lycorma deliculata</i>	USDA-APHIS
Sugarcane borer	<i>Diatraea saccharalis</i>	HAR 4-70-2
West Indian cane weevil	<i>Metamasius hemipterus</i>	HAR 4-70-29

Other

Common Name	Species	Source
Red ring nematode	<i>Bursaphelenchus cocophilus</i>	USDA-APHIS
Brown tree snake	<i>Boiga irregularis</i>	IUCN 100
Nutria	<i>Myocastor coypus</i>	IUCN 100

Notes on sources:

- DLNR-DOFAW and DLNR-DAR references in-person communication with biologists at those agencies.
- HAR 4-70A is pending approval by the Board of Agriculture to implement the Restricted Plant Rules under HRS 150A. Included in the rules is a list of 36 high-risk plant species to be restricted from domestic importation into Hawaii.