Big Island Invasive Species Committee Priority Invasive Species



Call 911 to report ALL snake sightings.

- Not known to be present in Hawai'i at this time, but if established here, remaining at-risk native birds might be wiped out.
- At risk is Hawai'i's \$15 million poultry industry
- An economic study by the University of Hawai'i estimates the cost of brown treesnake introduction to Hawai'i at \$28,500,000 to \$405,000,000 annually. A new study by the USDA National Wildlife Research Center puts the actual cost at \$1.7



- · Delivers a painful sting when disturbed. Welts can last for weeks.
- Infests agricultural fields and farms, where they damage crops and sting workers.
- Promotes plant pests, such as aphids, white flies and scale insects, which secrete plant sap that the ants eat. Ants then protect these insects from natural predators and paracitae.
- Can also infest houses, beds, furniture and food.



Red-vented bulbul

- · Feeds on fruits, vegetables, flower buds and insects.
- Spreads the seeds of invasive plants.
- Aggressively chases other birds; competes for food



- Adult beetles bore into palm crown, cutting through developing leaves



Miconia with underside of leaf (inset)

- · Forms thick stands, shades out native plants
- Forms an "umbrella" over the watershed, potentially reducing the amount of rainwater that seeps into the soil; shallow root systems
- Seeds spread by birds and animals and by people when conta dirt or mud sticks to shoes, clothing, equipment, or vehicles.



Fireweed and flower detail (inset)

- · Toxic to livestock when eaten, it causes slow growth, illness, liver mal-
- Spread by wind, hiking boots, vehicles or by animals when moved from infested to non-infested areas.
- · Invades pastures, disturbed areas and roadsides



Fiddlewood and flower (inset)

- Considered one of Hawaii's most invasive horticulture plants.
- Prolific seeder, spread by birds.



Gorse and flower detail (inset)

- Spiny shrub that can from dense impenetrable thickets.
- Alters soil conditions by fixing atmospheric nitrogen and acidifies
- Aggressive plant that displaces other cultivated and native plants
- · Fire hazard.



- Colonizes native-dominated vegetation and alters nutrient availability.
- Has potential to alter the few remaining lowland forest ecosystems in windward Hawai'i.
- Negatively impacts the native tree 'ōhi'a lehua (Metrosideros polymorpha)



- Wind spreads pampas grass long distances. In native forests pampas grass out-competes native plants and creates a fire hazard.



- · Twines tightly around other plants and restricts their growth.
- Poisonous when eaten by humans and animals. When the vine is dry, a powdery dust emerges and can cause violent coughing, swelling of the nose, and blistering of the eyelids.
- Contact with the plant's milky sap can cause burning rashes and blisters.



- Thick growth and spreading root suckers displace other plants.
- · Extremely difficult to control, as root pieces and stems re-grow when cut
- Grows more than twice as fast and out-completes true kava plants.



- Invades gulches, pastures and waterways.
- · Has spread into mixed 'ōhi'a forests.
- Potential to become a serious pest in agricultural and natural areas.
- · Outcompetes some of the most invasive plant species of tropical forests.



- Spiny plants form round bushy clumps.
- With age clumps break off and tumble across the landscape, becoming a road hazard.