PEPP Highlights

- **Zero** plant extinctions under our watch
- **190** rare plant species managed each year
- **177** PEP species collected, stored and grown at partner facilities
- **116** rare species reintroduced to the wild
- Over **50,000** outplants across the state
- Over **28,000** feet of fencing constructed to protect **64** PEP Species
- Over **12** species discovered that were thought to be extinct
- Over **12** species discovered that were new to science

**Hawai‘i’s Rare Plant Partnerships**

Recovery of Hawai‘i’s critically endangered plants relies on strong partnerships forged by shared goals. Through these collaborative relationships, PEPP collects plant material and addresses threats in natural habitats while a network of ex situ rare plant propagation and storage facilities manages the plant material for safekeeping and eventual return to the wild.

Partnering facilities include: four mid-elevation rare plant nurseries (at Volcano on Hawai‘i Island, Pahole on O‘ahu, Kōke‘e on Kaua‘i, and Olinda on Maui); botanical gardens (e.g., the National Tropical Botanical Garden); the University of Hawai‘i Lyon Arboretum Micropropagation and Seed Conservation Laboratories; and other nurseries and labs in Hawai‘i, the mainland United States, and across the globe.

**Contact Information**

Plant Extinction Prevention Program
Pacific Cooperative Studies Unit - UH Mānoa
19 East Kawili Street, Hilo, HI 96720
(808) 974-4388
www.pepphi.org

Donate to PEPP
www.uhfoundation.org/PEPP
The PEP Program

The Plant Extinction Prevention Program (PEPP) is a statewide conservation program committed to saving Hawai’i’s rarest native plants from extinction. PEPP focuses its efforts on species that have fewer than 50 remaining wild individuals, coined “PEP species”. Today, PEPP manages 236 PEP species across the main Hawaiian Islands, most of which are federally and state-listed Endangered Species.

The PEP Program is a project of the Pacific Cooperative Studies Unit of the University of Hawai’i at Mānoa and is funded through State and Federal grants and private donations.

Numbers of PEP Species

Kaua’i: 83  O‘ahu: 62  Moloka‘i: 40
Lāna‘i: 21  Kaho‘olawe: 2
Maui: 58  Hawai‘i: 48

Origin

The PEP Program was established in 2003 by the Hawai‘i Rare Plant Restoration Group (HPRPG), a Specialist Group of the International Union for Conservation of Nature (IUCN). The HPRPG is a consortium of over 60 conservation organizations, resource management agencies, individuals, and public and private landowners whose mission is to halt Hawai‘i’s staggering extinction rate of one plant species lost per year.

Five PEPP Approaches

1. Collect
Propagules (e.g., seeds, spores, cuttings) are collected and transferred to partnering rare plant seed storage, tissue culture, and nursery facilities. Preserving genetic diversity is vital to ensure the survival of a PEP species.

2. Monitor
Routine visits to wild and reintroduced individuals allow PEPP to assess population health and identify potential and imminent threats so they can be quickly addressed.

3. Survey
The discovery of unknown individuals can greatly increase a PEP species’ chances of recovery. Through surveys, we have discovered individuals of many PEP species as well as several species thought to be extinct or new to science.

4. Protect
Hawai‘i’s rare plants are under constant threat from invasive weeds, rats, slugs, and feral animals such as pigs and goats. PEPP staff employs a variety of measures to address these threats.

5. Outplant
Nursery grown plants of known genetic lineage are put back into the wild to establish new populations or bolster existing populations. Outplantings are often done with partner programs and with help from public volunteers. Many outplanted populations are now naturally reproducing!