

\* = Required Fields

**Erythrina sandwicensis Seed Collection Data Sheet**

\*Date: \_\_\_\_\_  
\*Collector: \_\_\_\_\_  
\*Collection #: \_\_\_\_\_  
Preferred Format: *Last Name\_yymmdd\_Sequential#* Example: *Smith\_050912\_01*  
\*Collection Type: **Bulk Individual**  
\*# of trees collected (Bulk only): \_\_\_\_\_  
Collection Time (# hours): \_\_\_\_\_ # of people collecting: \_\_\_\_\_

**Location**

\*Island: **Kauai Oahu Maui Molokai Lanai Kahoolawe Hawaii**  
UTM Coordinates: E: \_\_\_\_\_ N: \_\_\_\_\_  
Population Name/Location Description (give details if NO GPS point):  
\_\_\_\_\_  
\_\_\_\_\_  
Name of Landowner: \_\_\_\_\_  
Permission granted?: *Yes No*

**Population**

Estimated # of adult *Erythrina* trees (collected or not) within 50m radius of GPS point: *<10 10-50 51-100 >100*  
Population continues beyond 50m radius?: *Yes No*  
Phenology: *Seed Flower Leaf Dormant*  
Trees flagged/tagged?: *No Yes (describe):* \_\_\_\_\_  
Plant Associates: \_\_\_\_\_

**Insect Observations:**

\**Specularius impressithorax* (seed borer)?: *Yes No ?*  
\**Erythrina* wasp gall?: *Yes No ?*  
Other Insects: \_\_\_\_\_

**Collector Information:**

Email: \_\_\_\_\_  
Phone #: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

**\*Please read BEFORE going into the field\***

-Please make sure all collection bags are labeled with collector and collector #, population name, tree # (if applicable) or bulk, and date.

- For bulk collections, record the GPS point near the center of the collected trees. Please attempt to collect trees within 50m of a given point to assure proper spatial accuracy. If collecting trees in populations that spread out across the landscape, attempt to record multiple GPS points within the population to indicate the full spatial extent of collections. When seeds are collected from the ground and there are many trees nearby, treat this as a bulk collection.

-Collect mature seeds. Immature seeds will not store well. When transporting the seeds or pods from the collection site to the field, treat them like fresh produce: Avoid long exposure to high humidity or heat (for example, in a sealed plastic bag in a car parked in the sun). **Limit time between collection and processing; get seeds into refrigerator for drying (see below), or send to Lyon Seed Lab AS SOON AS POSSIBLE.**

-Prepare the seeds for storage. **These steps are critical because eggs of the *Specularius* seed borer on even one seed can ruin an entire batch.** Clean away any debris. If you can, put the seeds in a pan of water. Discard floating seeds - most of these will be partly empty, or have insect damage. Airdry the sinking seeds, then start drying them for storage. You can dry them yourself if you have a self-defrosting refrigerator (this step may also kill the *Specularius* seed-borer). Place the seeds in a thin layer (1 seed deep is ideal) in a container with an airtight lid, but leave the lid off. Place the container in the refrigerator. After about a month, open the refrigerator door and immediately place the lid on the container. Then take the container out from the refrigerator and let it come to room temperature. (This is to keep condensation from wetting the seeds.) After the seeds have come to room temperature, open the container and package the seeds for storage or shipping. (If you want to store them yourself, you can put them back into the refrigerator after packing them.) Heavy-duty zip-lock bags are a convenient type of container.

-**Send the seeds to the storage facility along with data collection sheet:** Label the seed container so that, if the notes become separated from the seeds, they can be reunited. Include a note whether the seeds have been dried following the procedure above; if not, describe briefly how they were processed (Example: "Air-dried in air-conditioned room, about 2 weeks"). Send the seeds and notes to the UH CCRT Seed Conservation Lab at Lyon Arboretum. Please include return address and e-mail address so that the lab can confirm receipt. The administrator of the wiliwili rescue program will have authority to make decisions about distribution of the seeds. The seed bank may withdraw small proportions of the seeds to test their viability.

Send collections to: **UH CCRT Seed Conservation Lab**  
**H. L. Lyon Arboretum**  
**3860 Manoa Road**  
**Honolulu, HI 96822**  
**Tel. #: (808) 988-0469, -0456, fax -0462**