



State of Hawaii
 Department of Agriculture
 PLANT QUARANTINE BRANCH
 1849 Auiki Street, Honolulu, HI 96819-3100
 Phone: (808) 832-0566, FAX: (808) 832-0584

For Office Use Only

Fee: \$ _____ Receipt No. _____
 Approve Permit No. _____ Date: _____
 Disapprove Other _____
 Processed by: _____ Date: _____

**PERMIT APPLICATION FOR
 RESTRICTED COMMODITIES
 INTO HAWAII**

Date: January 13, 2023

In accordance with the provision of Chapter 4-71, Hawaii Administrative Rules of the Division of Plant Industry, Department of Agriculture, a permit is requested for the following commodities:

Please type or print clearly.

Quantity	Commodity	Scientific Name
1000	parasitoid wasp of erythrina gall wasp	Aprostocetus nitens (Hymenoptera: Eulophidae)

Name and address of shipper: Hawaii Department of Agriculture, Plant Pest Control Branch, 1428 S. King St., Honolulu, HI, 96814

Origin: Kenya, Tanzania, and South Africa

(Mainland or Foreign address)

Approximate date of arrival: _____

Mode of Shipment: Mail Air Freight Boat

Type of Permit:

- Import
 - one time only multi-shipments
- Intrastate shipment
 - one time only multi-shipments
- Possession

Object of importation:

- Kept caged at all time
- Used for propagation
- Imported for exhibition
- Imported for liberation
- Other purposes - specify _____

Please type or print clearly.

Applicant's Name Darcy Oishi

Company Name Hawaii Department of Agriculture, PPC
(if applicable)

Hawaii Mailing Address 1428 S. King St.
Honolulu, HI 96814

Telephone number 808-973-9530

Facsimile number 808-973-9533

Fee Amount Enclosed (cash, check or mail order) \$ _____

field release of biocontrol agent from biocontrol insect containment facility

(complete reverse side)

PLEASE COMPLETE THE FOLLOWING INFORMATION (attach extra sheet if necessary)

1. State in detail the reasons for introduction (include use or purpose).
 Aprostocetus nitens, collected in Kenya, South Africa, and Tanzania, was evaluated as another bio-control agent for managing erythrina gall wasp (EGW) infestations on Erythrina trees in Hawaii. Results of evaluations revealed it is host specific to EGW. Although the first biocontrol agent (Eurytoma erythrinae) released in Hawaii prevented the native wiliwili (Erythrina sandwicensis) from total extinction, damage to flowers, and seedlings persist. A. nitens is expected to compliment E. erythrinae in keeping EGW under control and reducing damage to Erythrina spp.

2. Person responsible for the organism (include name, address and phone number).
 Darcy Oishi
 Hawaii Department of Agriculture
 Plant Pest Control Branch
 1428 S. King St.
 Honolulu, HI 96814
 808-973-9530

3. Location(s) where the organism will be kept and used (include address, contact and phone number).
 Hawaii Department of Agriculture
 Plant Pest Control Branch
 Insect Rearing Facility
 1428 S. King St.
 Honolulu, HI 96814
 808-973-9530


4. Method of disposition.
 The Aprostocetus nitens colony will be removed from the HDOA Insect Containment (Quarantine) Facility to the Insect Rearing Facility (Insectary) for mass rearing. Approximately 100 to 200 adults will be removed from the HDOA Insectary to be released at each site throughout Hawaii State beginning with Oahu, Hawaii, Maui, and then Kauai Island. Releases of this parasitoid wasp will be continuous until such time that it becomes established at the intended sites.

5. Give an abstract of the organism with particular reference to potential impact on the environment of Hawaii (include impact to plants, animals and humans).
 A. nitens (Hymenoptera: Eulophidae), a tiny wasp native to Africa, is proposed for biological control of EGW (Quadrastichus erythrinae, Eulophidae). Adult wasps, 1.1-1.7 mm long, lay eggs in galled plant tissues caused by EGW. Adult females are synovigenic which means they can produce eggs upon emerging, laying an average of 139 eggs through out their life span. Larvae of A. nitens feed exclusively on immatures of EGW and adult A. nitens feed on flower nectar. Each A. nitens larva can complete development on a single EGW larva or pupa. No adverse effects are anticipated on other animals or humans.

I request permission to import the articles as listed on the permit application and further, request that the articles be examined by an authorized agent of the Department of Agriculture upon arrival in Hawaii.

I agree that I, as the importer, will be responsible for all costs, charges or expenses incident to the inspection or treatment of the imported articles.

I further agree that damages or losses incident to the inspection or the fumigation, disinfection, quarantine, or destruction of the articles, by an authorized agent of the Department of Agriculture, shall not be the basis of a claim against the department or the inspectors for the damage or loss incurred.

Signature  Date 1/13/2023
(Applicant)