

U.H.M. P3 Constructed Wetland Plants

Schoenoplectus tabernaemontani ('Aka 'akai)



Photo: Robert Kaul

Description

- Tall rhizomatous perennial in the Sedge family
- Grows well in marshes, or along the margins of ponds, lakes, and streams
- Growth height: up to 3 meters
- Displayed metal and wastewater tolerance in constructed wetland systems
- Commercially available
- Commonly found in coastal fresh and salt water marshes in Hawaii

Schoenoplectus maritimus (Kaluha)



Photo: Forest & Kim Starr, Location: Kanaha, Maui

Description

- Rhizomatous perennial in Sedge family
- Grows well in marsh zones, pond margins and moist, saline, or alkaline soils
- Growth height: up to 1.5 meters
- Rhizomes form matrix for beneficial microbes
- Displayed metal and some wastewater tolerance in constructed wetland systems
- Commercially available
- Commonly found in brackish water coastal wetlands in Hawaii

Cyperus laevigatus (Makaloa)

Description



Photo: Forest & Kim Starr, Location: Kanaha, Maui

- Rhizomatous perennial in Sedge Family
- Grows well in coastal brackish ponds, mudflats, or freshwater marshes
- Growth height: up to 1 meter
- Displayed metal and wastewater tolerance in constructed wetland systems
- Commercially available
- Commonly found in/near brackish or freshwater coastal ponds in Hawaii

Cyperus javanicus (Ahu 'awa)

Description



Photo: Forest & Kim Starr, Location: Kanaha, Maui

- Shortly rhizomatous perennial in the Sedge family
- Grows well near stream banks, lo'i kalo, coastal cliffs and brackish ponds
- Growth height: up to 1 meter
- Displayed metal and wastewater tolerance in constructed wetland systems
- Recommended and commercially available
- Commonly found near stream banks and marshy areas; sometimes near the coast

Bacopa monnieri ('Ae 'ae)



Photo: Forest & Kim Starr, Location: Puhilele, Maui

Description

- Perennial Herb in Snapdragon family
- Grows well in aquatic zones or moist soil
- Growth height: 10-30 cm
- Mat-forming, useful for ground cover or bank stabilization
- Displayed metal and wastewater tolerance in constructed wetland systems
- Recommended and commercially available
- Commonly found in coastal wetlands in Hawaii

Fimbristylis cymosa (Mau'u 'aki 'aki)



Photo: Forest & Kim Starr, Location: Hoolawa Farms, Maui

Description

- Shortly rhizomatous perennial in the Sedge family
- Hardy plant that is found in harsh, saline environments near rocky coasts
- Growth height: up to 60 cm
- Useful for ground cover and bank stabilization
- Metal and drought tolerant
- Recommended and commercially available
- Commonly found in rocky coastal areas in Hawaii