

Adenophorus abietinus (D. C. Eaton) K. A. Wilson

Family

Dryopteridaceae

Hawaiian Name

none known



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Synonyms

Polypodium abietinum D. C. Eaton; *Polypodium tamariscinum* (D. C. Eaton) var. *abietinum* Hillebr.

Habitat

epiphytic, occasionally terrestrial.

Description

Rhizomes (stems): short-creeping, (0.28-)0.3-0.4(-0.5) cm diam., with scales. Scales somewhat clathrate, light to dark brown (may be tinged red), concolorous.

Fronds (leaves): erect, (2-)4-8(-13) cm long.

Stipes (petioles): (0.2-)0.3-0.5(-0.6) mm diam., 1/3-1/8 frond length, winged, not grooved, medium brown to black, concolorous, with glands, occasionally hairs. Hairs multicellular (uniseriate), clear to light brown, sparse, distributed throughout.

Vasculature at base of stipe (petiole): multiple vascular bundles forming a C-shape.

Blades: bipinnate, occasionally bipinnate-pinnatifid/pinnatisect, oblong or lanceolate/ovate, margins entire, with glands. Glands dark reddish brown, red, or yellow.

Veins: free.

Pinnae: alternate, longest pinna 0.3-1.5 cm long, linear/oblong or lanceolate/ovate, proximal pinnae markedly reduced in size, twisting upwards (in planes different from plane of frond).

Ultimate segments: 0.1 cm long, 0.1-0.3 mm wide, linear/oblong or obovate/oblanceolate.

Basiscopic proximal segments: occasionally pinnatifid.

Rachises (midribs): winged, not grooved, medium brown to black, with glands.

Costae: with glands.

Sori: round, wider than ultimate segments, 1 per segment, paraphyses present.

Indusia: absent.

Island Distribution

Kaua'i, O'ahu, Lana'i, and Maui

Status

Endemic

Occurrence

Occasional or locally common

Elevational Range

510-1310 m