

Dryopteris unidentata (Hook. & Arn.) C. Chr. var. paleacea (Hillebr.) Herat ex Fraser-Jenk.

Family

Dryopteridaceae

Hawaiian Name

'akole

Synonyms

Phegopteris unidentata (Hook. & Arn.) J. Sm. var. *paleacea* Hillebr.; *Dryopteris acutidens* C. Chr.; *Dryopteris unidentata* var. *acutidens* (C. Chr.) Fraser-Jenk.

Habitat

terrestrial.

Description

Rhizome (stem): decumbent to erect, with scales. Scales medium to dark brown (may be tinged red), concolorous.

Fronds (leaves): (80-)100-200 cm long, erect (may be arching or drooping), forming rosettes, not proliferous.

Stipes (petioles): 30-100 cm long, not winged, grooved, 1/2-1/3 frond length, straw-colored, with scales. Scales somewhat clathrate, medium to dark brown (may be tinged red), concolorous, dense throughout, triangular/deltate .

Vasculature at base of stipe (petiole): numerous round vascular bundles arranged into a semicircle or ring-shape.

Blades: tripinnate to quadripinnate, oblong-lanceolate to oblong-deltate, margins crenate to deeply lobed with 2 or more small teeth, apex pinnatifid, coriaceous , glabrous.

Veins: prominent, free, not uniting to form a marginal or costal commissural vein, not uniting to form an excurrent vein to sinuses, forked once or not.

Pinnae: longest pinna 10-45 cm long, 10-24 pairs, triangular/deltate or lanceolate/ovate, proximal pinnae not or minimally reduced in size.

Ultimate segments: 1.5-2.5 mm wide , linear/oblong, apex acute or obtuse.

Rachises (midribs): not winged, grooved, green or light brown/tan/straw-colored, with scales. Scales somewhat clathrate, medium to dark brown (may be tinged red), concolorous, dense throughout .

Costae: with scales.

Sori: round, submarginal to marginal, occasionally raised on stalks, paraphyses absent.

Indusia: absent.

Island Distribution

Kaua'i, O'ahu, Moloka'i, Maui, and Hawai'i



Status

Endemic

Occurrence

Uncommon to locally common

Elevational Range

450-1675 m