

*References:* 3, 23, 26, 50, 96, 98, 111, 158, 172, 191, 196, 225, 287; as *D. ulicina*, 17, 38, 120, 310, 314, 316, 319.

### *Daviesia umbellulata*

Much-branched woody shrub to 2.5m tall. Stems covered with spreading hairs or hairless. Stipules lacking. Leaves crowded, without petioles, rigid, 12-19mm long, 2-7mm wide, hairless or hairy, broadest about the mid-point and tapering to the base and the sharp tip.

Inflorescence a cluster of 1-7 flowers at the tip of a 5-12mm axillary peduncle, each flower borne on a 4-8mm pedicel. Calyx c. 2mm long, the upper sepals joined to form a broad lip, the sepals otherwise joined for c.  $\frac{2}{3}$  their length, the teeth triangular. Standard c. twice as wide as tall, reddish brown at the base, the margin yellow. Wings 4-7mm long from base of calyx, reddish brown with a yellow tip. Keel reddish brown.



*Daviesia umbellulata*, Glasshouse Mts, 26°54'S, 152°57'E.

Pod 8-10mm long, triangular, hairless, brown when ripe, usually containing a single seed. Seed kidney-shaped, reddish brown.

*Distribution:* Mo., P.C., W.B. Also N.S.W. An understory shrub found in woodlands on sandy or gravelly infertile soils.

*Notes:* An attractive shrub, but of no grazing significance. Nodulates.

### *Dendrolobium*

Shrub or small tree. Leaves pinnate, with three leaflets. Stipels present. Flowers white, in axillary pedunculate umbels. Stamens 10, the filaments all joined for c.  $\frac{1}{2}$  their length. Style hairless. Pod woody, jointed, breaking up at maturity.

*References:* 3, 17, 23, 26, 50, 97, 101, 154, 191, 196, 287, 298, 331.

### *Daviesia wyattiana*

Slender open shrub to 2m tall. Stems triangular, hairless. Stipules lacking. Leaves without petioles, hairless, 50-300mm long, 3-6mm wide at the mid-point, the margins almost parallel or gradually tapering to either end.

Inflorescence a cluster of 3-5 flowers each within the axil of a small bract at the tip of a 10-25mm peduncle, usually 2 peduncles appearing in a leaf axil, the peduncles bearing several bracts in the lower half. Pedicels 8-15mm long. Calyx c. 3mm long, the sepals joined for c.  $\frac{2}{3}$  their length, the teeth triangular. Standard c. 2.5mm tall, 3mm wide, yellow with a brown arc at the base and brown along the veins. Wings orange, c. 3.5mm long from base of calyx, the keel darker.

Pod c. 10mm long, 6mm wide, triangular, hairless, brown when ripe, containing a single seed. Seeds kidney-shaped, c. 5mm long, 2mm wide, olive-green flecked with black.

*Distribution:* Lei., Mo. Also N.S.W. An undershrub in eucalypt woodlands on infertile sandy or gravelly soils.

*Notes:* Of no grazing significance.

*References:* 17, 26, 131, 158, 191, 196, 287, 298, 320, 321.



*Daviesia wyattiana*, Brisbane, 27°33'S, 153°05'E.

*Dendrolobium umbellatum*

Horse bush

Shrub or small tree to c. 4m tall. Young stems covered with adpressed hairs, becoming hairless and developing corky spots. Stipules 6-10mm long, finely pointed, very deciduous. Petioles 20-60mm long, rachis 10-15mm long, both covered with adpressed silky hairs. Stipels 1.5-5mm long. Leaflets 50-140mm long, 35-70mm wide, the laterals a little smaller, broadest at or below the mid-point, the margins curving to the blunt tip and broadly angled base, with adpressed hairs on both surfaces when young, becoming hairless on the upper surface, the veins prominent on the lower surface.

Inflorescence an umbel of 10-20 flowers borne on a 3-15mm peduncle, the flowers borne on 3-7mm pedicels within axils of c. 2mm deciduous bracts. Bracteoles c. 2mm long, deciduous. Calyx 4-5mm long, densely covered with adpressed silky hairs, the two dorsal sepals joined almost to the tip, the sepals otherwise joined for c.  $\frac{1}{2}$  their length, the teeth narrow and pointed. Standard white, c. 10mm tall, 8mm wide, indented at the tip. Wings white, 10-12mm long from base of calyx, much narrower than the 11-13mm long white keel.

Pod woody, usually 8-35mm long, 4-6mm wide, covered with short adpressed hairs, deeply indented along the lower margin between the 1-6 seeds, grey-brown when ripe and breaking up at



*Dendrolobium umbellatum*, Daintree, 16°09'S, 145°26'E.

maturity. Seeds c. 3.5mm long, 2mm wide, kidney-shaped, flattened, orange.

*Distribution:* Co., N.K., P.C. Also eastern Africa, South-East Asia, Indonesia, P.N.G. and Oceania. Occurs as a strand-line plant above tropical beaches. A related inland species is common in open eucalypt woodlands in the northern tropics; it has been described as *Desmodium arbuscula*.

*Notes:* Readily browsed by cattle and horses. Self-pollinating, nodulates. The common name and grazing characteristics appear to refer to the inland species.

*References:* 3, 112, 129, 137, 240, 255, 276, 301, 306; as *Desmodium umbellatum*, 16, 17, 141, 181.

*Desmanthus*

Shrub with bipinnate leaves, the primary rachis bearing glands between the lowermost 1-several pairs of pinnae. Inflorescence a small axillary head. Stamens 10. Pods long and narrow.

*Desmanthus virgatus*

Dwarf koa

Erect shrub to 1.3m tall. Stems covered with minute coarse hairs. Stipules 6-8mm long, narrow and hair-like, persistent. Leaves bipinnate, the petiole and primary rachis together 20-50mm long and bearing 2-7 pairs of pinnae. Axis of pinnae 20-60mm long. Leaflets 10-20 pairs on a pinna axis, 2-6mm long, c. 1mm wide, the margins more or less parallel, bluntly pointed.

Inflorescence a solitary head of 6-10 flowers at the end of a 15-30mm axillary peduncle. Calyx c. 2mm long, hairless, the sepals joined for  $\frac{3}{5}$  their



*Desmanthus virgatus*, Cult., exotic.