Acacia cincinnata F.Muell.

Family: Fabaceae

Mueller, F.J.H. von (1879) Fragmenta Phytographiae Australiae 11: 35. Type: Ad sinum oceanicum Rockingham; Gouds Island; Dallachy.

Common name:
Circle Fruit Salwood; Daintree Wattle; Wattle; Wattle, Daintree

Stem
Usually encountered as a small tree but recorded to 60 cm dbh. Inner blaze very fibrous and stringy.

Leaves
Leaves phyllodineous. Leaf blades about 11-16 x 16-3 cm. A gland usually visible on the upper side of the leaf blade-petiole junction. Terminal buds and young leaves clothed in silky, prostrate, golden hairs which turn silver with age. Veins longitudinal, +/- parallel, anastomosing, three veins usually more prominent than the rest, running into each other near the base.

Flowers
Spikes cream or very pale yellow, about 3.5 cm long, interrupted, on peduncles about 0.5 cm long. Spikes in pairs in the upper axils, peduncle and axis clothed in golden hairs. Calyx densely pubescent, about 0.6 mm long. Corolla about 1.4-1.8 mm long, glabrous, deeply lobed. Stamens about 2.5 mm long. Ovary densely hairy, but glabrous when rudimentary.

Fruit
Pod linear, tightly coiled about five times to form a tight spiral. Seeds shiny black, longitudinal, about 3.6 x 2 mm. Funicle orange, rather fine, encircling the seed. The remains of the tightly coiled spiral seed pods normally present beneath mature trees.

Seedlings
Cotyledons oblong, ovate or obovate, about 5 mm long. First leaf pinnate, second leaf bipinnate. By the third or fourth leaf stage: leaves bipinnate, petiole broadly flattened. At the tenth leaf stage: leaves phyllodineous, narrowly elliptic, slightly unequal-sided at the base, glabrous or nearly so when mature, usually 3 main veins run from base to apex; stipules very small, visible only with a lens. Seed germination time 10 to 313 days.

Distribution and Ecology
Endemic to Queensland, occurs in NEQ, CEQ and south-eastern Queensland. Altitudinal range from near sea level to 800 m. Grows on the edge of rain forest and in rain forest regrowth but also found in open forest, particularly in swampy areas.

Synonyms

RFK Code
487