

## *Meiogyne hirsuta* (Jessup) Jessup

### Family:

Annonaceae

Jessup, L.W. (2007) *Flora of Australia* 2: 450. Type: Queensland, Henrietta Creek, Palmerston Highway, 27 Nov. 1982, L.W. Jessup 512. Holo: BRI. Iso: CANB, K, L, MEL, NSW, QRS, U.

### Stem

Usually flowers and fruits as a single-stemmed shrub about 3 m tall but also flowers when smaller.

### Leaves

Leaf bearing twigs clothed in rusty brown +/- erect hairs. Twig bark strong and fibrous when stripped. Oak grain visible in transverse sections of the twigs. Leaf blades about 7-12.5 x 2.5-4.5 cm, usually slightly unequal-sided at the base. Petioles quite short, about 0.2-0.3 cm long. Lateral veins forming loops inside the blade margins.

### Flowers

Flowers emitting an unpleasant odour. Pedicels about 1-4 mm long. Sepals broadly ovate, about 4.5-5.5 x 4-4.8 mm. Outer petals narrowly ovate, about 30-40 x 8-9 mm. Inner petals narrowly ovate, about 30-48 x 7-9 mm, grooved or sculptured on the inner surface towards the base. Stamens 45-60, anthers sessile, apex with a hook-like appendage. Ovaries 5-16, densely clothed in erect golden brown hairs. Ovules 4-6 per ovary. Stigmas very sticky.

### Fruit

Fruiting carpels 9-12 per fruit, each carpel clothed in brown hairs about 1 mm long. Fruiting carpels sausage-shaped, up to 38 x 14 mm. Seeds 1-5 per carpel. Each seed about 7-9 mm diam. Testa sculptured and showing an equatorial ring. Endosperm deeply ruminant. Embryo small and straight, about 1 mm long, cotyledons accounting for about 30% of the total length.

### Seedlings

Germination of the 'Durian Type' with the cotyledons remaining within the seed coat. Cotyledons shed as the seedling develops leaving two small scars on the stem below the first pair of true leaves. Stem clothed in erect, pale hairs above the cotyledonary scars. Underside of the first pair of true leaves sparsely clothed in prostrate hairs. At the tenth leaf stage: leaves 2-ranked, oil dots small, just visible with a lens, leaf blade margin ciliate. Stem densely clothed in brownish hairs. Terminal bud clothed in white, silky hairs. Seed germination time 160 to 276 days.

### Distribution and Ecology

Endemic to NEQ, known only from Cedar Bay, Mossman River and the North Johnstone River. Altitudinal range from near sea level to 300 m. Grows as an understory shrub in well developed lowland and foothill rain forests.

### Natural History & Notes

Food plant for the larval stages of the Green Spotted Triangle Butterfly. Sankowsky & Neilsen (2000).

### Synonyms

***Ancana hirsuta* Jessup**, *Austrobaileya* 3(1): 65(1989), Type: Queensland, Henrietta Creek, Palmerston Highway, 17 36 S, 145 46 E, Nov. 1982, Jessup 512; holo: BRI. ***Meiogyne* sp. (Henrietta Creek LWJ 512)**, *Australian Tropical Rain Forest Plants, Trees, Shrubs & Vines* : (2003).

### RFK Code

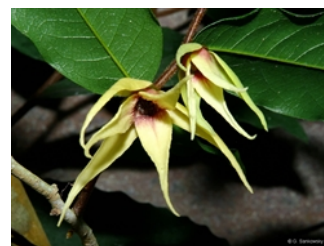
3335



Flower and flower buds. © CSIRO



Flowers [not vouchered]. © G. Sankowsky



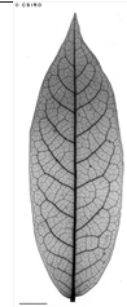
Flowers [not vouchered]. © G. Sankowsky



Flower. CC-BY R.L. Jago



Leaves and flower. CC-BY R.L. Jago



Scale bar 10mm. © CSIRO



Cotyledon stage, durian germination. © CSIRO



10th leaf stage. © CSIRO

