



Carmichaelia carmichaeliae

Common Name(s):

pink broom

Current Threat Status (2012):

Threatened - Nationally Critical

Distribution:

Endemic. South Island, Marlborough, north of the Awatere fault.

Habitat:

Lowland to montane. A species of alluvial terraces, gorges, cliff faces and steep valley sides.

Features*:

Leafless, spreading to upright, shrub or small tree up to 5 m tall. Branchlets slender, 120–400 × 1.8–4.0 mm, drooping, green, compressed. Leaves on branchlets reduced to a triangular scale, glabrous, < 0.8 mm long. Inflorescence a raceme, up to 30 mm long, with up to 20 flowers; pedicel 1.0–3.5 mm long, sparsely hairy. Calyx 1.5–2.4 × 1.5–2.4 mm, outer surface sparsely hairy to glabrescent, or glabrous, green; lobes 0.4–0.6 mm long, triangular. Flowers pink with dark pink veins, up to 8 mm long. Standard 7.0–7.5 × 6.3–6.6 mm, obovate, recurved; wings 5.3–7.8 × 1.0–1.7 mm, oblong, shorter than keel; keel 6.6–8.5 × 2.1–3.2 mm. Stamens 6.0–7.5 mm long. Pistil 7.8–8.4 mm long, exerted beyond stamens, ovary glabrous. Pods 10.0–36.0 × 2.5–4.0 mm, linear, laterally compressed, constricted between the seeds, the seed outline often visible through the dry fruit wall, and the lower filaments are usually persistent on mature fruits, indehiscent; beak up to 4 mm long, narrowly triangular, tapering to the persistent style; with up to 10 seeds. Seeds 2.0–3.5 mm long, reniform to reniform-triangular, light green-yellow, buff or orange-brown, often with black mottling.

Flowering:

November to January

Fruiting:

January to December

Threats:

Threatened by aerial spraying for gorse (*Ulex europaeus* L.) and broom (*Cytisus scoparius* (L.) Link), browsing animals, (especially goats, cattle, possums and deer) and habitat loss through competition from weeds.

*Attribution:

Fact Sheet prepared for NZPCN by P.J. de Lange 1 July 2007. Description by P.B. Heenan based on Allan (1961) and published in de Lange et al. (2010)

References and further reading:

Allan, H.H. 1961: Flora of New Zealand. Vol. I. Wellington, Government Printer.

de Lange, P.J.; Heenan, P.B.; Norton, D.A.; Rolfe, J.R.; Sawyer, J.W.D. 2010: Threatened Plants of New Zealand. Canterbury University Press, Christchurch.

Thorsen, M. J.; Dickinson, K. J. M.; Seddon, P. J. 2009. Seed dispersal systems in the New Zealand flora. Perspectives in Plant Ecology, Evolution and Systematics 2009 Vol. 11 No. 4 pp. 285-309

For more information, visit:

http://nzpcn.org.nz/flora_details.asp?ID=100



Caption: Flowering adult specimen of *Carmichaelia carmichaeliae*
Photographer: Cathy Jones



Caption: Close up of the flowers of *Carmichaelia carmichaeliae*
Photographer: Cathy Jones