

# Podocarpus laetus

## COMMON NAMES

mountain tōtara, Hall's tōtara, thin-barked tōtara, tōtara-kiri-kōtukutuku

## BIOSTATUS

Native – Endemic taxon

## CURRENT CONSERVATION STATUS

2023 | Not Threatened

[Jump to previous conservation statuses](#)

## CATEGORY

Vascular

## STRUCTURAL CLASS

Trees & Shrubs - Gymnosperms

## FLOWER COLOURS

No flowers

## DETAILED DESCRIPTION

Robust dioecious conifer up to 20 m tall. **Trunk** stout, 1–1.5 m diameter, clad in papery, thin, freely flaking reddish-grey bark, without branches at base. **Branches** slender, erect, spreading or somewhat drooping. **Leaf bud** significantly broader than the diameter, of the branchlet, surrounded by caducous, papery, ovate bracts. **Leaves** yellow-green, green, or brownish-green, erect, leathery; juvenile 25–50 × 4–5 mm, adults 20–30 × 3–4 mm., narrow-linear to linear-lanceolate, acute to acuminate, apex very pungent, mid-vein distinct. **Male cones (strobili)** axillary, 10–25 mm, solitary or up to 5 on a common peduncle. **Female branchlets** axillary. **Ovules** solitary or paired; receptacle of 2–4 scales, irregularly elliptic-oblong to obovate-oblong, maturing as a red, swollen, succulent, sweet tasting “fruit” this surmounted by a 1–(2) elliptic, elliptic-oblong or ovate-oblong, (5)–6.5–8.5 mm long, grey nut brown or dark brown (green when fresh) seed.

## SIMILAR TAXA

Distinguished from *Podocarpus totara* var. *totara* by the leaf bud which is wider than the diameter of the branchlet (resembles a meat ball on a stick), and by the broadly ovate bud bracts. The bark is generally papery—hence “thin barked totara”, the leaves (especially juveniles and subadults) are longer and broader with a very sharp, pungent leaf tip. Hybridises with *P. totara* var. *totara* and hybrids can only reliably be distinguished by bud scale and bud diameter characters. See also Gardner (1990) in references below.

## DISTRIBUTION

Endemic. North Island, South Island and Stewart Island/Rakiura.

## HABITAT

Lowland, montane to lower subalpine forest (but notably more common in montane forest). Often found on impoverished soils, immature (skeletal) soils, or sites that are naturally stressed by drought or extreme temperature fluctuations.

## GENUS

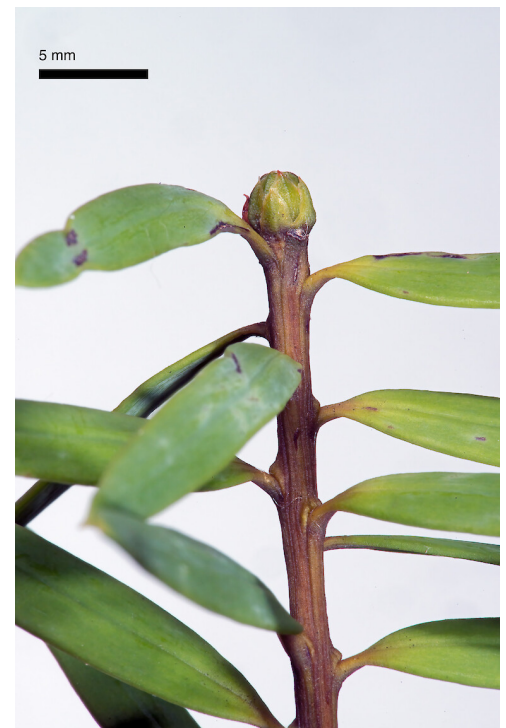
Podocarpus

## FAMILY

Podocarpaceae



Ripe arils, northern Southland. Photographer: Jesse Bythell, Date taken: 17/02/2016, Licence: CC BY-NC.



Leaf bud. Stokes Valley, Lower Hutt. Photographer: Jeremy R. Rolfe, Date taken: 09/02/2014, Licence: CC BY.

## AUTHORITY

Podocarpus laetus Hooibr. ex Endl.

## SYNONYMS

Podocarpus hallii Kirk; Podocarpus cunninghamii Colenso

## TAXONOMIC NOTES

Molloy (2015) has outlined the complex taxonomic history of Hall's tōtara noting that there are three valid names that could be used for this species, *P. hallii* Kirk, *P. cunninghamii* Colenso and *P. laetus* Hooibr. ex Endl. Molloy (2015) concludes that *Podocarpus laetus* is the earliest legitimate and validly published name, and in the absence of any final ruling on the matter that name is now used here. Previously it had been recommended that *P. cunninghamii* should be used (see Molloy 1985; de Lange & Rolfe 2010).

## ENDEMIC TAXON

Yes

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## FLOWERING

(August)–October–(December)

## FRUITING

Fruits take a year or so to ripen, and may be found throughout the year, usually peaking at about the same time that cones are produced. They are most frequently seen between April and May.

## PROPAGATION TECHNIQUE

Easily grown from fresh seed and hard-wood cuttings.

## WETLAND PLANT INDICATOR STATUS RATING

FACU: Facultative Upland

Occasionally is a hydrophyte but usually occurs in uplands (non-wetlands).

## CULTIVATION

Uncommon in cultivation. Not often seen in gardens though it is commercially available.

## ETYMOLOGY

**podocarpus:** Foot or stalk fruit

**laetus:** From the Latin laetus 'bright'

## NVS CODE

PODLAE

## CHROMOSOME NUMBER

2n = 34

## PREVIOUS CONSERVATION STATUSES

2017 | Not Threatened

2012 | Not Threatened

2009 | Not Threatened

2004 | Not Threatened

[Jump to current conservation status](#)

## REGIONAL CONSERVATION STATUSES

Auckland: 2025 | Regionally Not Threatened | Qualifiers: DPS, DPT Help

The regional threat classification system leverages off the national assessments in the NZTCS, providing information relevant for the regional context. Auckland conservation status information is sourced from the [“Conservation status of vascular plant species in Tāmaki Makaurau / Auckland”](#) Simpkins E et al. (2025) report.

Otago: 2025 | Regionally Not Threatened Help

The regional threat classification system leverages off the national assessments in the NZTCS, providing information relevant for the regional context. Otago conservation status information is sourced from the [“Conservation Status of Indigenous Vascular Plants in Otago, 2025”](#) Jarvie S et al. (2025) report.

## REFERENCES AND FURTHER READING

- Allan HH. 1961. Flora of New Zealand, Volume I. Indigenous Tracheophyta: Psilopsida, Lycopsidea, Filicopsida, Gymnospermae, Dicotyledones. Government Printer, Wellington, NZ. 1085 p.
- Connor HE, Edgar E. 1987. Name changes and Nomina Nova IV. *New Zealand Journal of Botany* 25(1): 115–171. <https://doi.org/10.1080/0028825X.1987.10409961>.
- de Lange PJ, Rolfe JR. 2010. New Zealand indigenous vascular plant checklist. New Zealand Plant Conservation Network, Wellington, NZ. 131 p.
- Gardner R. 1990. Totara and Halls totara. *Auckland Botanical Society Journal* 45: 27–28.
- Kirk T. 1889. The Forest Flora of New Zealand. Government Printer, Wellington, NZ. 345 p. [https://ndhadeliver.natlib.govt.nz/delivery/DeliveryManagerServlet?dps\\_pid=IE17359801](https://ndhadeliver.natlib.govt.nz/delivery/DeliveryManagerServlet?dps_pid=IE17359801).
- Molloy BPJ. 1985. The continuing saga of native conifer nomenclature. *DSIR Botany Division Newsletter* 102: 26–27.
- Molloy BPJ. 2015. The correct name for the New Zealand endemic conifer Hall's totara (Araucariales: Podocarpaceae). *Phytotaxa* 220(2): 101–116. <https://doi.org/10.11646/phytotaxa.220.2.1>.

## ATTRIBUTION

Fact sheet prepared for NZPCN by P.J. de Lange (8 January 2005). Description adapted from Kirk 1889 and Allan 1961).

Some of this factsheet information is derived from [Flora of New Zealand Online](#) and is used under a [Creative Commons Attribution 3.0 New Zealand](#) licence.

## NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): Podocarpus laetus Fact Sheet (content continuously updated). New Zealand Plant Conservation Network. <https://www.nzpcn.org.nz/flora/species/podocarpus-laetus/> (Date website was queried)

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/podocarpus-laetus/>

## PDF DATE

25 May 2026