

# Olearia ilicifolia

## COMMON NAME

mountain holly

## SYNONYMS

*Olearia multibracteolata* Colenso

## FAMILY

Asteraceae

## AUTHORITY

*Olearia ilicifolia* Hook.f.

## FLORA CATEGORY

Vascular – Native

## ENDEMIC TAXON

Yes

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Trees & Shrubs - Dicotyledons

## NVS CODE

OLEILI

## CHROMOSOME NUMBER

2n = 108

## CURRENT CONSERVATION STATUS

2017 | Not Threatened

## PREVIOUS CONSERVATION STATUSES

2012 | Not Threatened

2009 | Not Threatened

2004 | Not Threatened

## BRIEF DESCRIPTION

Small spreading tree bearing dark-green to greyish-green leathery leaves with jagged, spiny margins. Bark flaking in long strips. Leaves 5–12 cm long × 1–2 cm wide. Flowers numerous, borne in dense clusters toward branchlet apices, bearing white ray florets and yellow disc-florets. Fruits small wind-borne brown seeds, surmounted by a readily detachable, fluffy, yellowish pappus.

## DISTRIBUTION

Endemic. New Zealand, North, South and Stewart Islands from the Pukeamaru and Herangi Range south.

## HABITAT

Lowland to subalpine - montane to subalpine in northern part of range but extending to lowland forest and scrub in South Island part of range. A species of shrublands, river flats and valley heads, also prominent on ridgelines in so called 'cloud' forest and 'goblin forest'. A common riparian species in the montane river systems of the western South Island.

## WETLAND PLANT INDICATOR STATUS RATING

FACU: Facultative Upland

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



Longwood range, January. Photographer: John Smith-Dodsworth, Licence: CC BY-NC.



Longwood range, January. Photographer: John Smith-Dodsworth, Licence: CC BY-NC.

## DETAILED DESCRIPTION

Much branched shrubs to small trees up to 6 × 3 m, usually forming a domed canopy unless growing in dense scrub. Trunk and lower branches covered in orange-grey bark, mature bark often semi-detached and peeling from base upwards in long strips. Branches many to few depending on conditions; branchlets pliant, initially pubescent, becoming glabrous with age, leaves usually clustered toward apices. Leaves long persistent, coriaceous borne on stout petioles 15–22 mm long; lamina 50–120 × 10–20 mm, linear-oblong to lanceolate; apices acute, acuminate, bases truncate, margins undulose, sharply serrate-dentate, teeth spinescent, adaxial surface dark green to fulvous grey-green; ± glabrous (immature and expanding leaves sparsely covered in appressed, fulvous-white tomentum), abaxially paler, finely clad in appressed fulvous-white tomentum), tomentum tending to shed with age. Inflorescence a lateral corymbose panicle, bearing 8–15(–20) capitula. Capitulum 8–12 mm long, 10–12 mm diameter. Pedicels 10–18 mm long, finely invested in fulvous-white to white appressed hairs. Involucre cylindrical, 2-seriate, outer abaxially villous, inner apically ciliate. Florets 15–20. Ray-florets 10–12(–16) pisillate, corolla glabrous, tube 2.2 mm long, ligulate with deflexed white limb 3.1–4.2 × 1.0–1.3 mm, 1–2(–3)-lobed at apex. Disc florets 5–8 per capitulum, hermaphrodite, corolla glabrous, yellow or pink, tube 2.9–3.1 mm long, lobes 5, 1.2–1.5 × 0.5 mm. Seeds (cypsela) 1.7–2.5 mm long, brown, narrowly oblong to narrowly oblong-elliptic or narrowly obovate-elliptic, longitudinally ribbed 3–6×, ribs raised; pappus caducous, 3–4 mm long, fulvous, finely barbellate.

## SIMILAR TAXA

Easily distinguished from all other New Zealand *Olearia* species on account of the leaves which have serrate-dentate (finely 'spiny') undulating margins - a feature earning this species the vernacular 'mountain holly'. *Olearia ilicifolia* readily hybridises with *O. arborescens* (these hybrids are called *O. ×macrodongta*) and less frequently with *O. lacumosa* and *O. quinquevulnera*.

## FLOWERING

December - February

## FLOWER COLOURS

White, Yellow

## FRUITING

April - June

## PROPAGATION TECHNIQUE

Easily grown from semi-hardwood cuttings and fresh seed. Does best in a cool climate (dislikes hot or humid conditions). A beautiful small tree or shrub well suited to a rockery margin. Does best when planted in a well drained, moist, humus enriched soil. Does not tolerate drying out.

## ETYMOLOGY

**olearia:** Named after Johann Gottfried Olearius, a 17th-century German scholar, writer of hymns and author of Specimen Florae Hallensis

**ilicifolia:** Leaves like holly (Ilex)

## TAXONOMIC NOTES

Some botanists regard North and South Island populations of *Olearia ilicifolia* as distinct and warranting some level of taxonomic recognition. This matter requires further critical investigation.

## ATTRIBUTION

Fact Sheet prepared for the NZPCN by P.J. de Lange (25 January 2015). Description mostly based on observations made from fresh and dried specimens with the seed (cypsela) description adapted from Webb & Simpson (2001).

## REFERENCES AND FURTHER READING

Webb, C.J.; Simpson, M.J.A. 2001: Seeds of New Zealand Gymnosperms and Dicotyledons. Christchurch, Manuka Press.

## NZPCN FACT SHEET CITATION

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

**MORE INFORMATION**

<https://www.nzpcn.org.nz/flora/species/olearia-ilicifolia/>