



## *Acacia argyrophylla* Silver Mulga

### Taxonomy

*Acacia argyrophylla* Hook.

### Description

Dense shrub, 2–3 m high and often the same across. Similar to *A. brachybotrya* and *A. dictyocarpa* but differing mainly in the following ways: new shoots silky with bright greenish-yellow hairs' penultimate branchlets silky with white hairs; phyllodes oblanceolate, 2.5–5(–6) cm long, 6–15 mm wide, sometimes to 6 cm long and 2.5 cm wide at base of branchlets, 2–4.5 times as long as wide, silvery blue-grey due to silky cover of silvery-white hairs which totally clothe the lamina, obtuse; racemes with rachis usually 4–10 mm long, covered with dense, appressed, greenish-golden hairs; peduncles c. 10 mm long, indumentum as on racemes except hairs occasionally silvery white; heads 25–45-flowered. Pods 7–11 mm wide; seeds 5–7 mm long. Flowers Oct. (VicFlora 2018)

### Current conservation status

Categorised as 'Presumed extinct in Victoria' in the 2014 Advisory list of rare or threatened plants in Victoria (DEPI 2014).

### Proposed conservation status

Extinct (EX) in Victoria.

### Criteria for Extinct status

As per Schedule 1 of the Flora and Fauna Guarantee Regulations 2020, the primary criterion for the category of threat 'extinct' is met if–

- (a) exhaustive surveys throughout the taxon's historic range fail to record an individual member of the taxon; and
- (b) those surveys were conducted over a time frame appropriate to the taxon's life cycle and life form, in known or expected habitat and at appropriate times (diurnal, seasonal, annual).

Historical records of the species were retrieved from the Victorian Biodiversity Atlas. A 50km buffer was placed around each location, and all surveys of appropriate surveying method to date were retrieved. In total, 618 appropriate surveys have taken place within the historic range with no records of *A. argyrophylla* since 1892.

Victorian Biodiversity Atlas search results	
Number of known historical locations	1
Last known record	1892
Total recorded surveys to date within 50km of all historical locations	618
Survey methods searched*	External data, Monitoring, Quadrat



# *Acacia argyrophylla* Silver Mulga

\***External data:** Additional observation records collected by third parties, **Monitoring:** Observations recorded from surveys of bushfire hazard mapping surveys, pre-harvest surveys, indicator- or all-species assessments, etc. **Quadrat:** Square vegetation quadrats to measure vegetation attributes of an area (plant density, frequency, biomass, etc.)

## Historical distribution

The taxon is known in Victoria from a single collection (in 1892) from the Murtoa area, and is now presumed extinct in this State. In South Australia it grows mostly in woodland and open scrub, often in alkaline soils (VicFlora 2018).

## References

DEPI (2014) *Advisory list of rare or threatened plants in Victoria - 2014*. Department of Environment and Primary Industries, Melbourne. Retrieved from:  
[https://www.environment.vic.gov.au/\\_\\_data/assets/pdf\\_file/0021/50448/Advisory-List-of-Rare-or-Threatened-Plants-in-Victoria-2014.pdf](https://www.environment.vic.gov.au/__data/assets/pdf_file/0021/50448/Advisory-List-of-Rare-or-Threatened-Plants-in-Victoria-2014.pdf)

VicFlora (2017) Flora of Victoria, Royal Botanic Gardens Victoria: *Acacia argyrophylla*. Retrieved from:  
<https://vicflora.rbg.vic.gov.au/flora/taxon/1c71a762-47dd-475d-abaa-5048a5f26648>