

Sorbus pseudofennica E.F.

Warburg

Arran Service-tree

Key:

Dots refer to the native sites of the species

Numbers refer to the nearby Botanical Collections



Starting references

Family

Rosaceae

IUCN category (2001)

Vulnerable. Endemic.

Habit

Shrub or small tree.

Hybrid of *S.arrensis* and *S.aucuparia*.

Habitat

Rocky sides of stream ravines, steep granite crags and rocky moorland.

Reasons for decline

Afforestation; pasture improvement; human disturbance; small / isolated population; grazing.

Distribution in wild

Country	Locality & Vice County	Sites (10km ² occurrences)	Population (plants)
Scotland	Isle of Arran	1	~ 400(1986)

Ex situ Collections

Gardens close to the region of distribution of the species

- 1 Brodick Castle Garden (NTS)
- 2 Mount Stuart Garden
- 3 Younger Botanic Garden, Benmore
- 4 Glasgow Botanic Gardens
- 5 Culzean Castle Country Park (NTS)

Gardens with specialisation on genus *Sorbus*

Batsford Arboretum
Cambridge University Botanic Garden
Dawyck Botanic Garden
Granada Arboretum
Harlow Carr Botanical Gardens
Savill & Valley Gardens
Sheffield Park Gardens
Treborth Botanic Garden
University of Bristol Botanic Garden
University of Durham Botanic Garden
Westonbirt Arboretum
Winkworth Arboretum
Younger Botanic Garden, Benmore

Potential to grow the species in *ex situ* Collections

From RBG Edinburgh, Garden Nursery

- Propagation

In October, the seeds are extracted from the ripe berries and cleaned under running water. Pre-treatment of seeds is not necessary. Seeds are sown individually 1 cm apart, in plastic seed trays (14" x 8 1/2") containing 1:1 JI seed/coir, buried under 6 mm of sieved compost and top-dressed with fine grit. The trays are stored in a north-south-facing open bench until germination occurs within 5 months. Seedlings are pricked out in spring in individual pots containing 1:1 JI II/Nursery stock. The pots are placed in a light (no direct sun), cold glasshouse.

- Cultivation

Hardy. Succeeds in most reasonably good soils in an open sunny position or in semi-shade (light woodland).

Conservation information

Linkages to BAPs

Contact person: Graeme Walker [Graeme.Walker@snh.gov.uk]

Habitat Management

Half of the population is found within the Glen Diomhan NNR.

Conservation programmes

Some success from introduced planting (Arboricultural Information Exchange:

http://www.aie.org.uk/trunkline/aie_tr_endanger.html)

Web References

- NBN Gateway database: <http://www.searchnbn.net>