

Sorbus arranensis Hedlund

Arran Whitebeam

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 (fully fertile apomitic hybrid of *S.aucuparia* and *S.rupicola*).

Habitat

Rocky streamsid es and outcrops on granite and very acidic soil.

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	Northern Arran	1	400

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
- 4 Culzean Castle Country Park (NTS)
- 5 Glasgow Botanic Gardens

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

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

Hardy. A very ornamental tree.

Conservation information

Linkages to BAPs

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

Habitat Management

Part of the gorge of the Glen Diomhan stream is established as an NNR in attempt to improve the future prospects of the species, where its largest concentration is to be found.

Conservation programmes

Saplings grown *ex situ* have been planted within an enclosure along the gorge of the Glen Diomhan stream.

Web References

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