

Monotropa hypopitys ssp. *hypophegea* (Wallr.) Holmboe

Key:

Dots refer to the native sites of the species

Numbers refer to the nearby Botanical Collections

Not easily separable morphologically from ssp. *hypopitys*.

Starting references

Family

Monotropaceae

IUCN category (2001)

Endangered.

Habit

Saprophytic ± chlorophyll-less perennial herb.

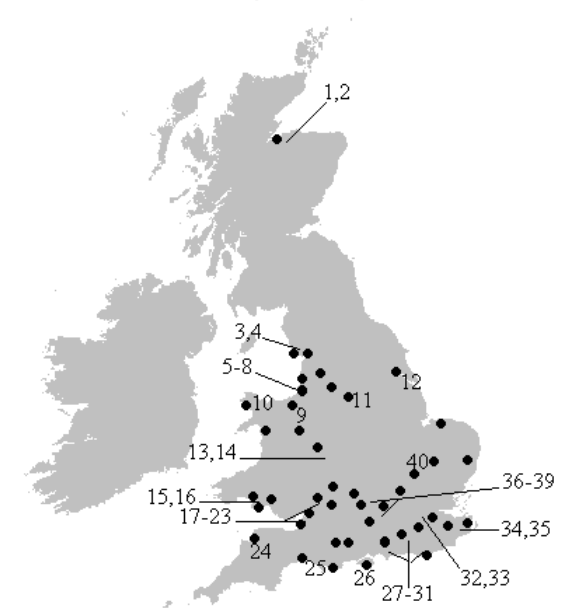
Habitat

Leaf litter in shaded woodlands, most frequent under *Fagus* and *Corylus* on calcareous substrates, and under *Pinus* on more acidic soils. Also in damp dune-slacks, where it is usually associated with *Salix repens*. From 0-395 m.

Reasons for decline

Distribution in wild

Country	Locality & Vice County	Sites (10km ² occurrences)	Population (plants)
Scotland	Easternness	1	
England	Scattered		
Wales	Scattered		



Ex situ Collections

Gardens close to the region of distribution of the species

- 1 Brodie Castle (NTS)
- 2 Cawdor Castle Gardens
- 3 Holehird Gardens
- 4 Sizergh Castle (NT)
- 5 Firs Botanical Grounds
- 6 University of Manchester Botanical & Exp. Grounds
- 7 City of Liverpool Botanic Gardens
- 8 Ness Botanic Gardens
- 9 Chester Zoological Gardens
- 10 Treborth Gardens
- 11 Sheffield Botanical Gardens
- 12 University of Hull Botanic & Exp. Garden
- 13 University of B'ham Botanic Garden, Winterbourne
- 14 B'ham Botanical Gardens & Glasshouses, Westbourne
- 15 National Botanic Garden of Wales
- 16 Swansea Botanic Garden
- 17 Batsford Arboretum
- 18 Hidcote Manor Garden
- 19 Highgrove House
- 20 Westonbirt National Pinetum
- 21 Bristol Zoo Gardens
- 22 University of Bristol Botanic Garden
- 23 Wildwalk at Bristol
- 24 RHS Rosemoor
- 25 Abbotsbury Sub-Tropical Gardens
- 26 Ventnor Botanic Garden
- 27 West Dean Gardens
- 28 High Beeches Gardens
- 29 Nymans Garden (NT)

- 30 Borde Hill Garden
- 31 Newhaven Botanic Garden
- 32 RBG Kew
- 33 RHS Wisley
- 34 Bedgebury National Pinetum
- 35 Sissinghurst Castle Garden (NT)
- 36 University of Oxford Botanic Garden
- 37 The Harris Garden
- 38 Windsor Gardens
- 39 Cliveden (NT)
- 40 Cambridge University Botanic Garden

Gardens with specialisation on family Monotropaceae

None

Potential to grow the species in *ex situ* Collections

Plants For A Future (details for *Monotropa uniflora*)

- Propagation

This is going to be an exceedingly difficult plant to propagate. The seed will need to be sown close to its host plant so one way would be to sow it in the leaf litter under established beech or coniferous trees. Alternatively, you could try sowing the seed in a cold frame in a pot that already contains a potential host plant. If successful, grow the young plant on in the cold frame for a couple of years before planting it out close to an established beech or coniferous tree.

- Cultivation

We have very little information on this plant but it should be hardy in this country. It is likely to require shady woodland conditions in a humus-rich moist soil.

It is a saprophytic plant, quite devoid of chlorophyll and depending totally on its host plant for nutrient.

Conservation information

Linkages to BAPs

Designated LBAP Areas are listed on <http://www.searchnbn.net>

Habitat Management

Protected sites with records for *M. hypopitys* ssp. *hypophegea* are listed on <http://www.searchnbn.net>

Conservation programmes

Unknown

Web References

- NBN Gateway database: <http://www.searchnbn.net>
- Plants For A Future database: http://www.ibiblio.org/pfaf/cgi-bin/arr_html?Monotropa+uniflora&CAN=LATIND