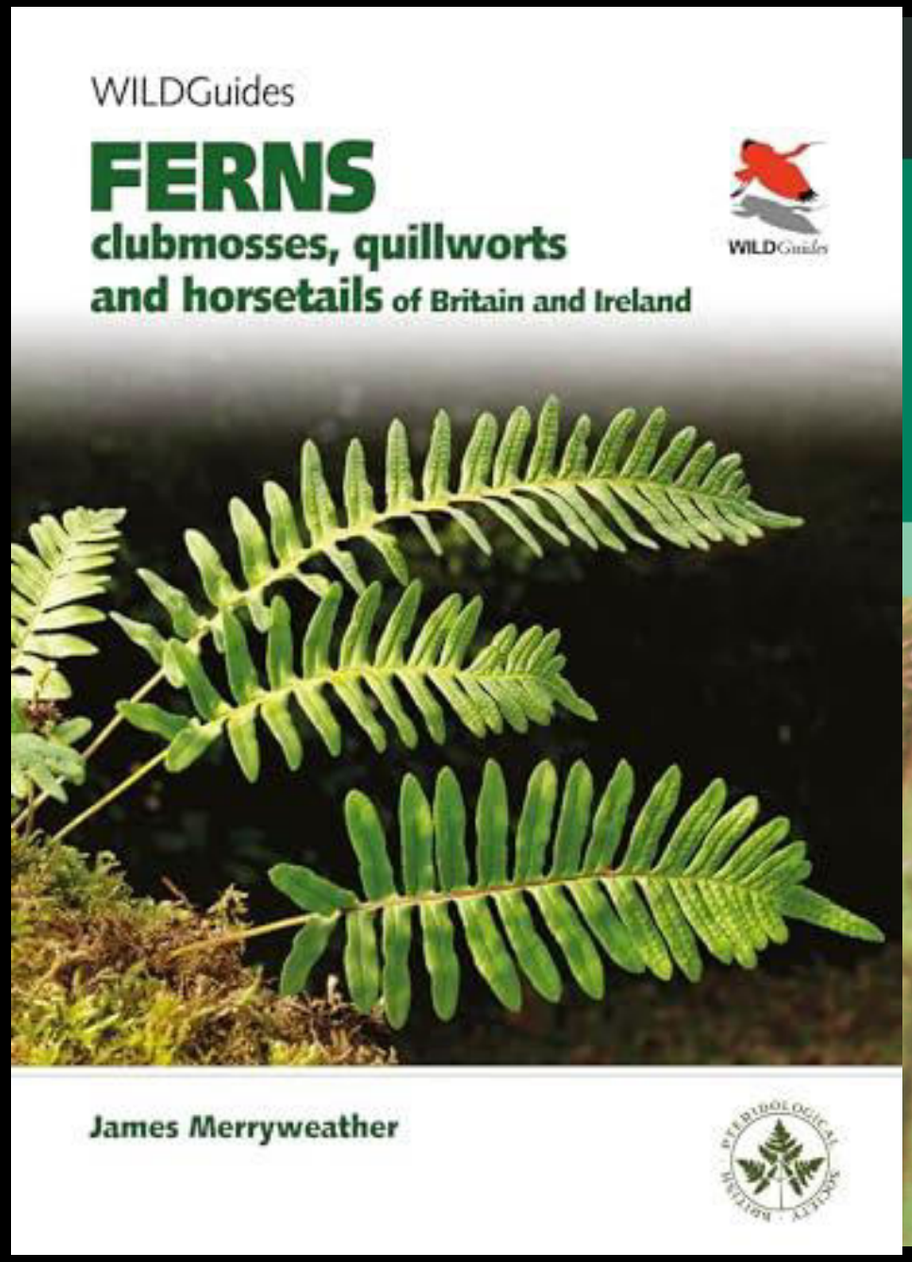
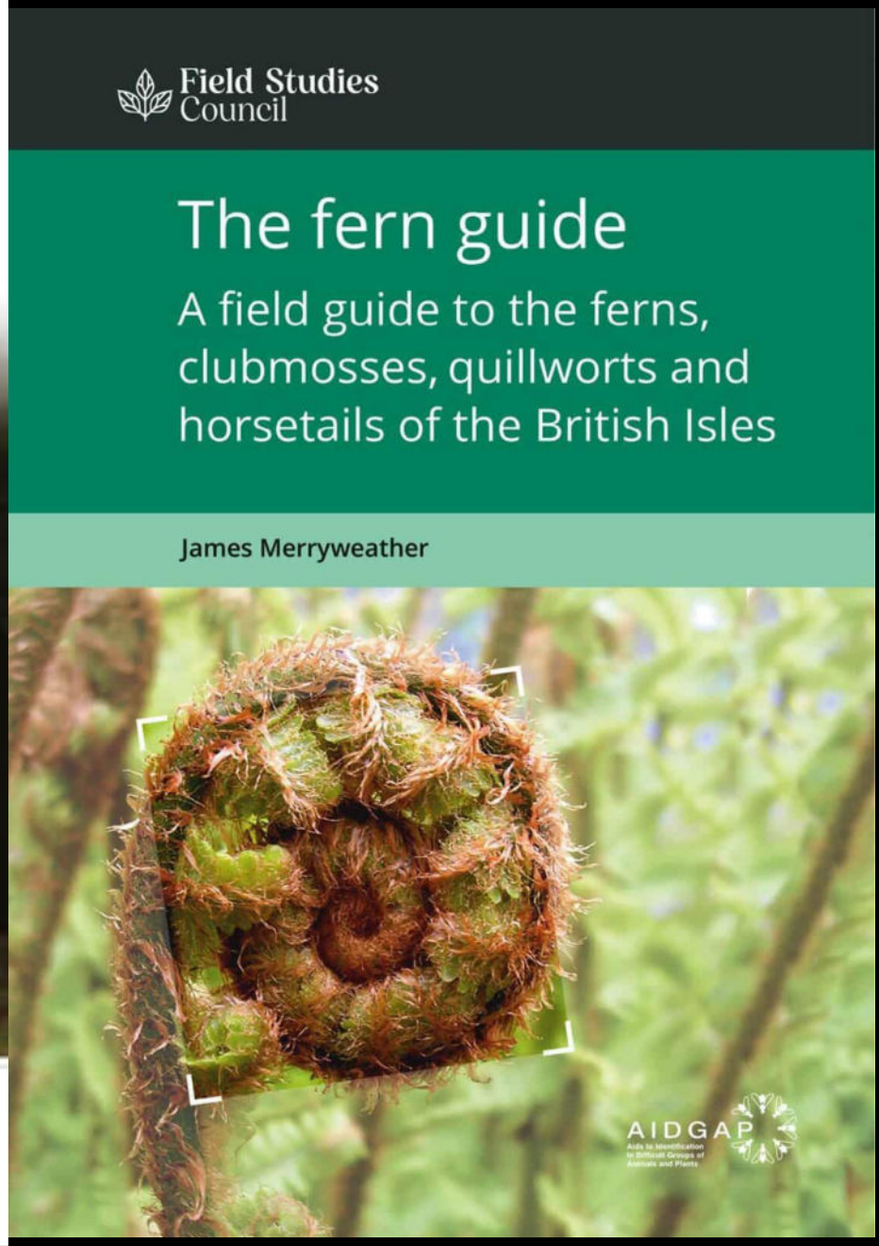
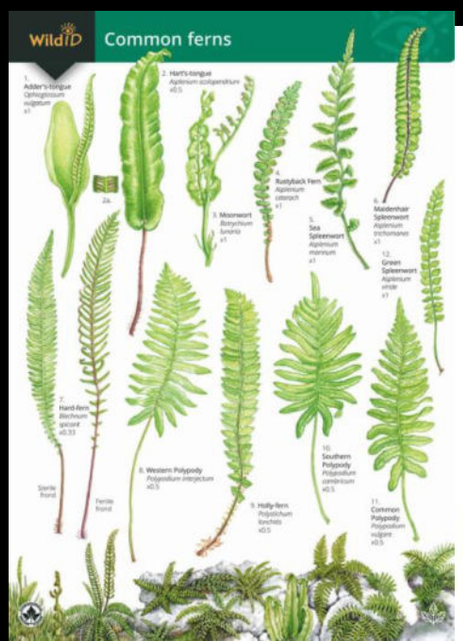
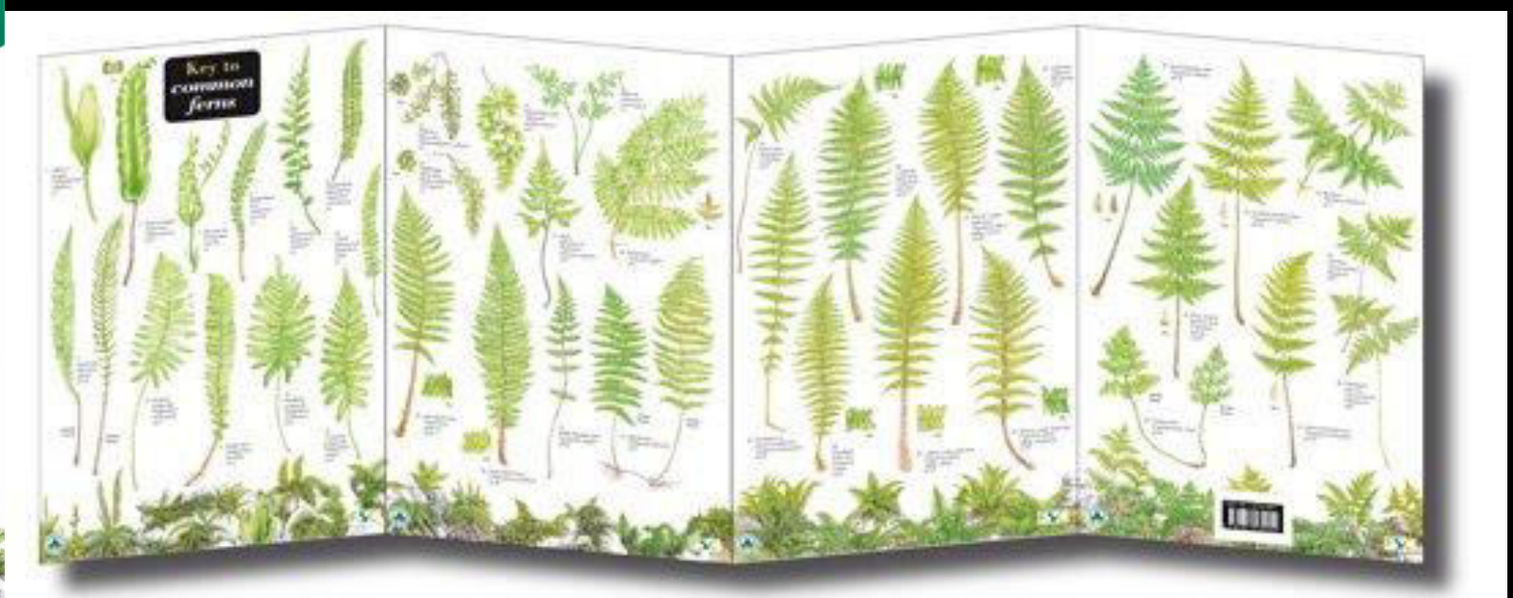
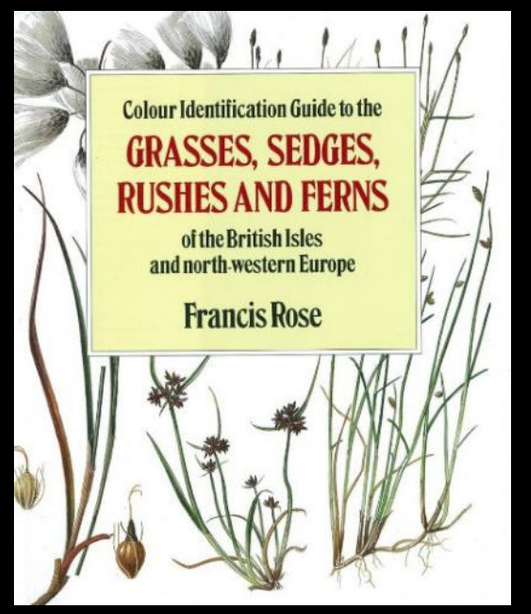
Resources Ferns



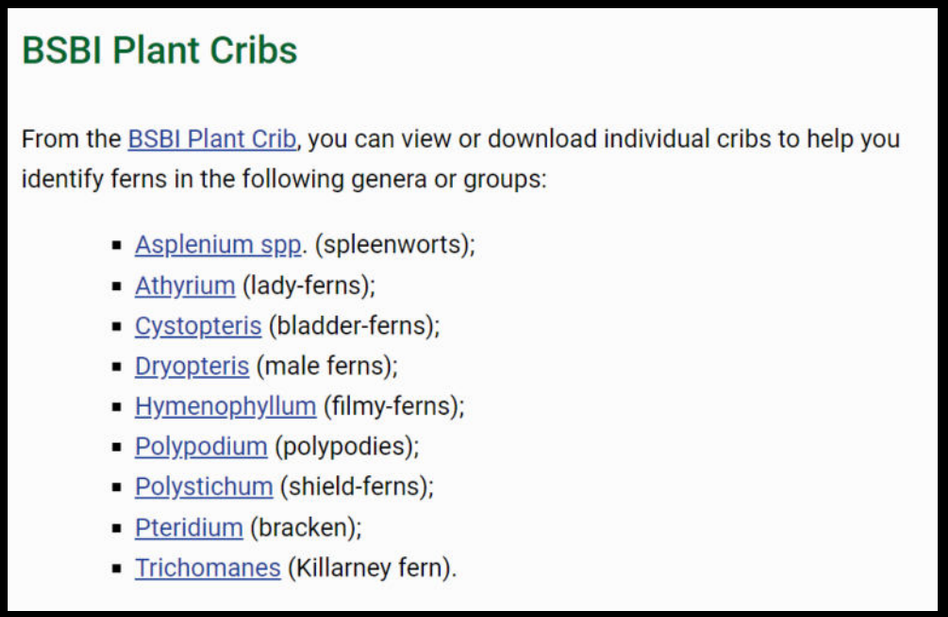








Online Resources Ferns



BSBI Plant Cribs

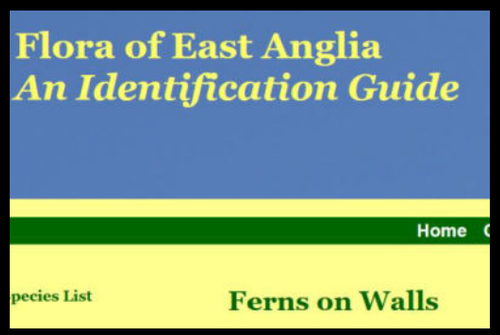
From the BSBI Plant Crib, you can view or download individual cribs to help you identify ferns in the following genera or groups:

- Asplenium spp. (spleenworts);
- Athyrium (lady-ferns);
- Cystopteris (bladder-ferns);
- Dryopteris (male ferns);
- Hymenophyllum (filmy-ferns);
- Polypodium (polypodies);
- Polystichum (shield-ferns);
- Pteridium (bracken);
- Trichomanes (Killarney fern).

Fern Guide
The British Pteridological Society
https://ebps.org.uk/wp-content/uploads/2014/05/Fern-Guide01.pdf

a 15-page guide to common species

Identification - The British Pteridological Society (ebps.org.uk)
https://ebps.org.uk/ferns/identification/
has maps, id keys etc.



Ferns (webidguides.com)

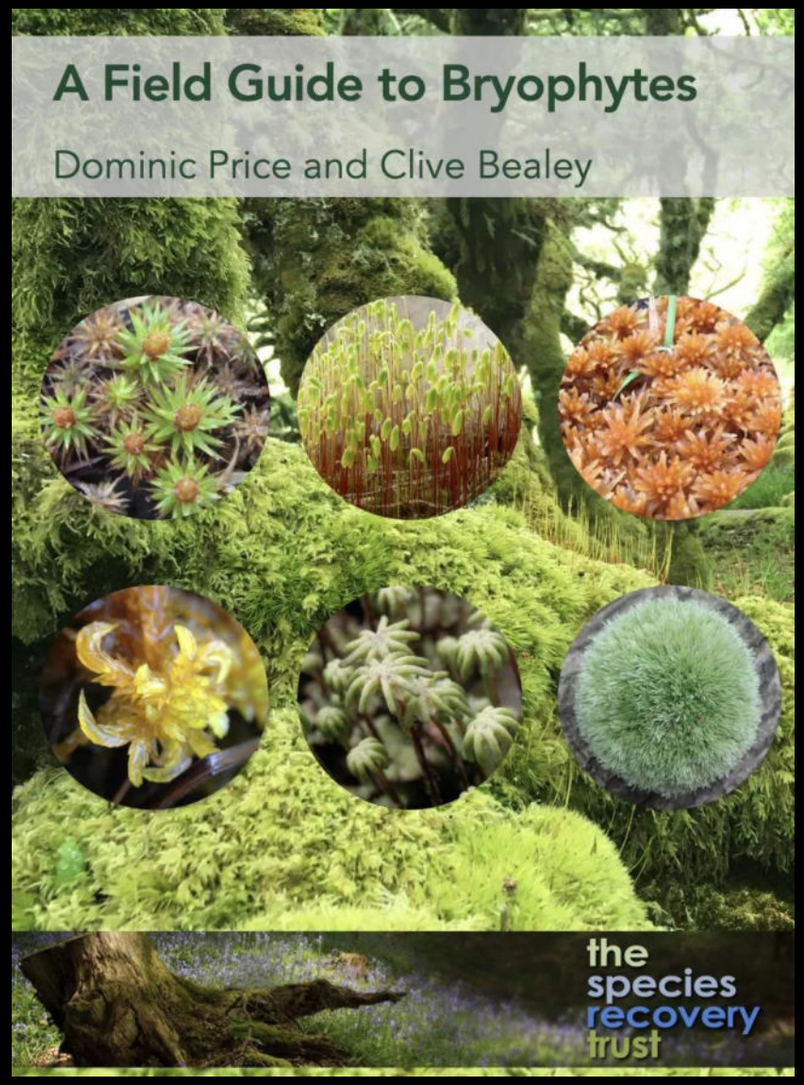
http://webidguides.com/_templates/subsection_ferns.html

Ferns | NatureSpot

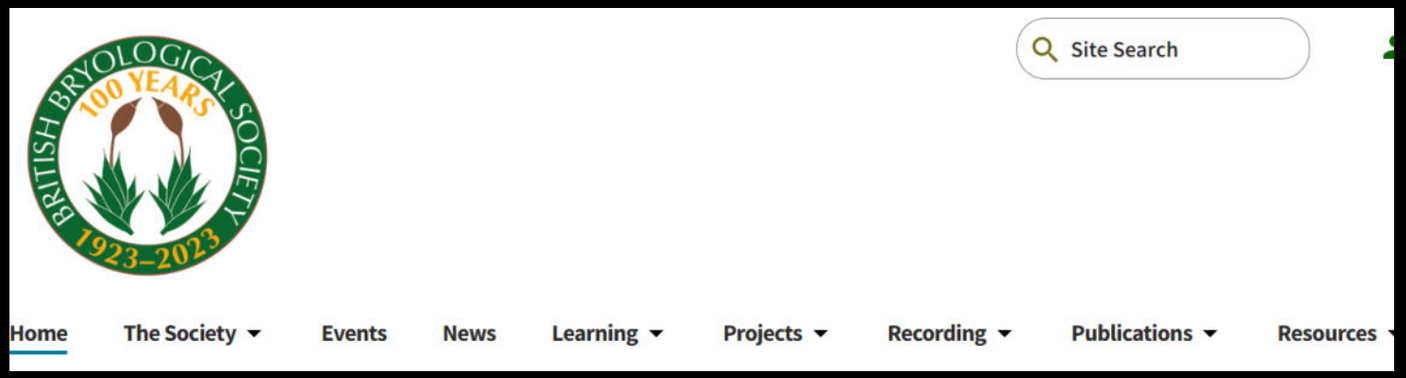
Resources Bryophytes

For Beginners

Price, D & Bealey, C. (2022). A Field Guide to Bryophytes. The Species Recovery Trust. 107 pages, covers 133 species.
FSC Fold out guides – woodlands, towns and gardens

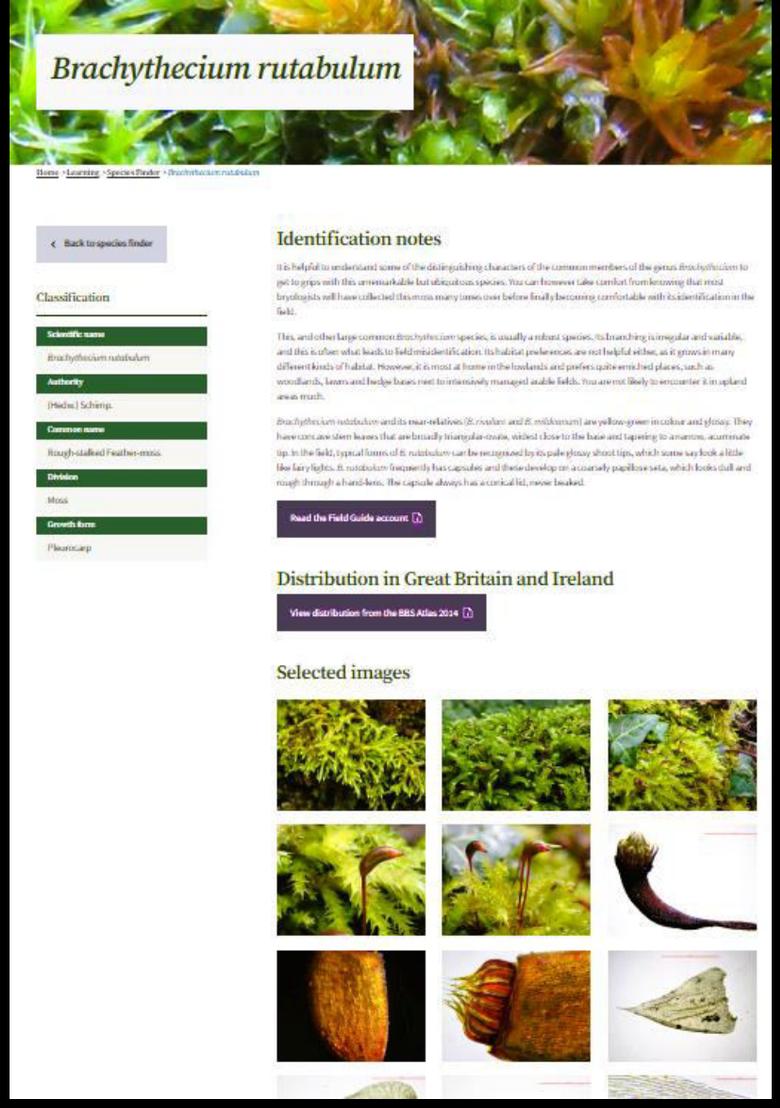


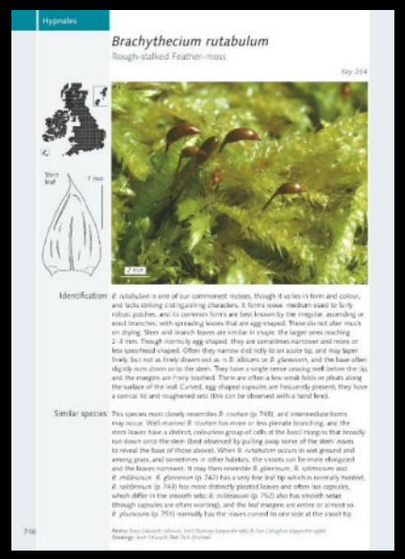
Online Resources Bryophytes

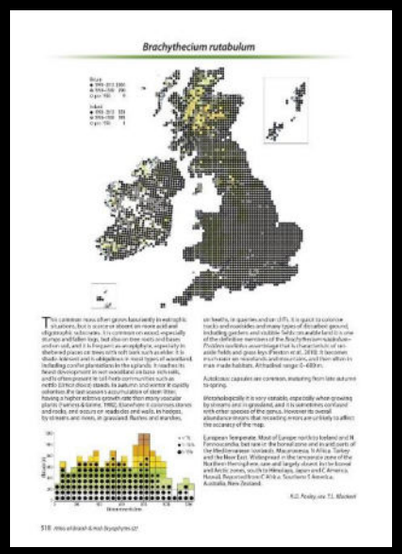


British Bryological Society
https://www.britishbryologicalsociety.org.uk/

Species Accounts – Species Finder
https://www.britishbryologicalsociety.org.uk/learning/species-finder/





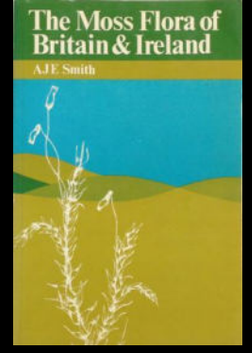


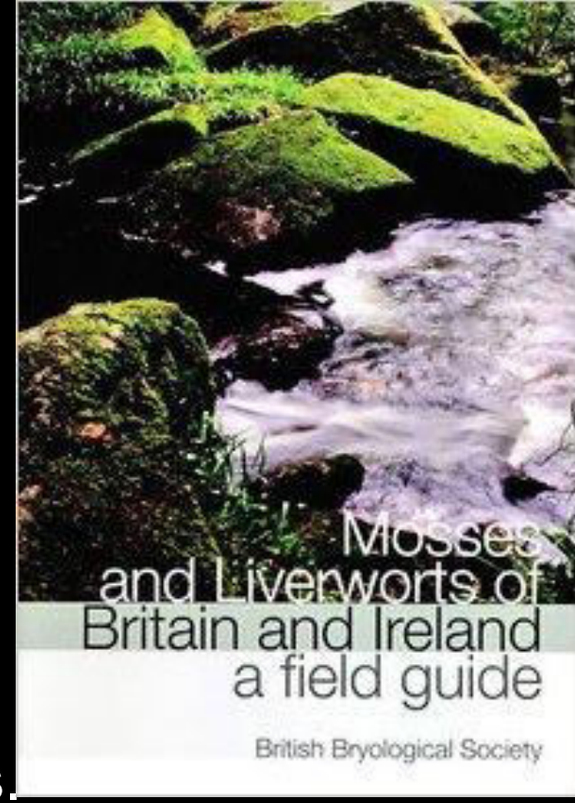
https://www.naturespot.org.uk/gallery/mosses

Mosses | NatureSpot

Mosses of Europe http://www.bildatlas-moose.de/

Resources Bryophytes





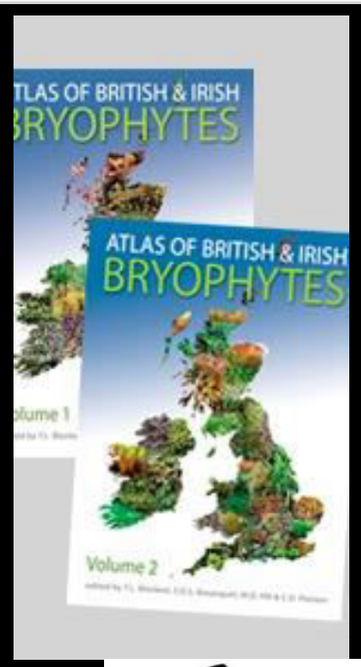
Books

Atherton, I., Bosanquet, S. & Lawley, M. 2010. Mosses and liverworts of Britain and Ireland: a field guide. British Bryological Society.

Though most of the text and photos are on their website species accounts.

Smith, A. J. E. (2004). The Moss Flora of Britain and Ireland. 2nd Edition. Cambridge, Cambridge University Press.

Smith, A.J.E. (1990). The Moss Flora of Britain and Ireland.
Smith, A.J.E. (1990). The Liverworts of Britain and Ireland.
Paton, J.A. (1999). The Liverwort Flora of The British Isles.
Paton, J.A. (2022). A Supplement to The Liverwort Flora of The British Isles.
Watson, E.V. (3rd ed.). 1981. British Mosses and Liverworts.



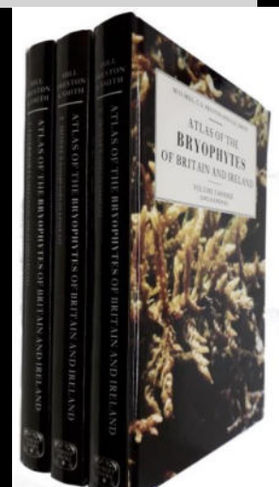
Atlas

Blockeel, T.L., Bosanquet, S,D,S , Hill, M.O & Preston, C.D. (2014). Atlas of British and Irish Bryophytes. Pisces Publications. Most of the text and maps are on their website species accounts. Much of data is on NBN. Covers 298 liverworts and 767 mosses.

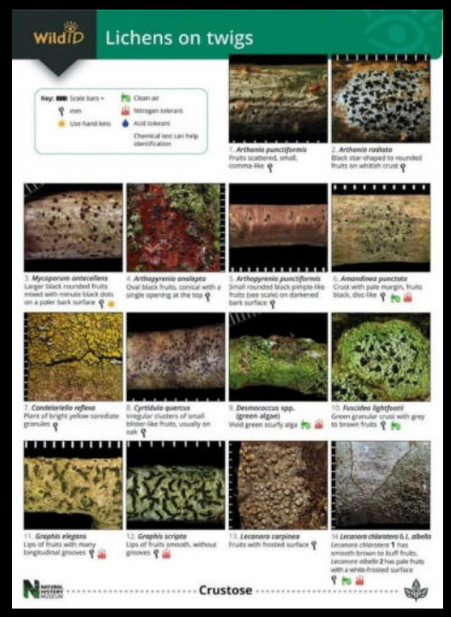
Previous Atlas

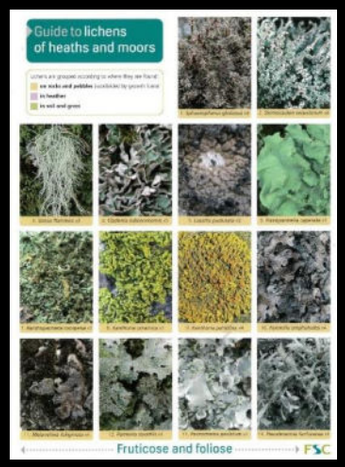
M. O. Hill, C. D. Preston, A. J. E. Smith (1991-1994). Atlas of the Bryophytes of Britain and Ireland. Volumes 1-3. Harley Books. Available as download on BBS website.

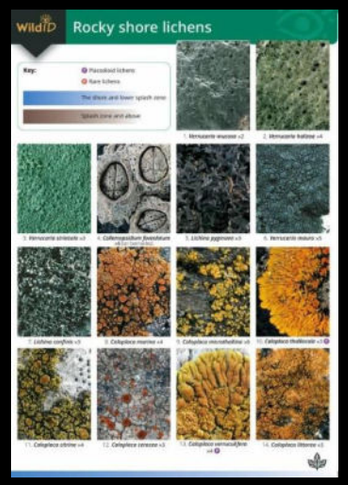
Smith, A.J.E. (Ed). 1978. Provisional Atlas of the Bryophytes of the British Isles. *Available as download on BBS website*.

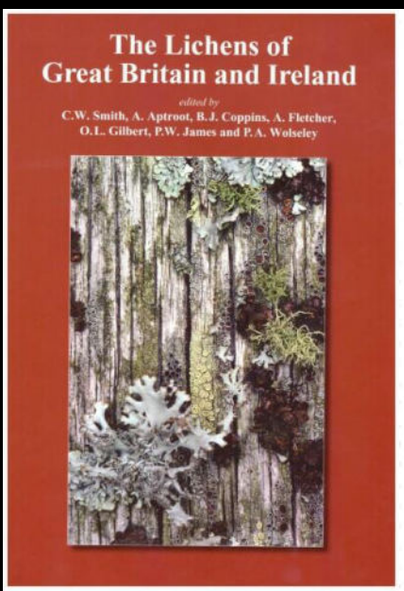


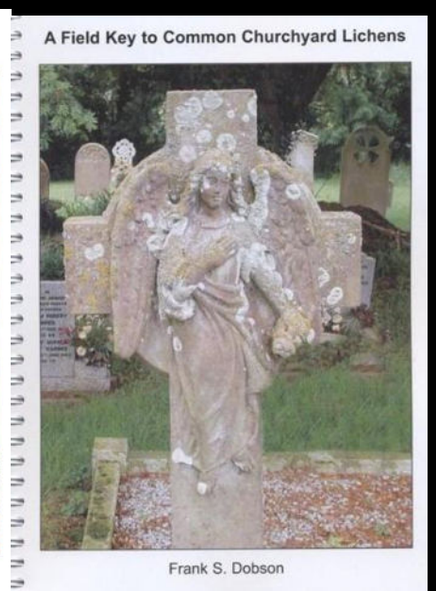
Lichen Resources











Lichens: An Illustrated Guide to the British and Irish Species. 7th edition. 520 pages.

Lichen Online Resources

The British Lichen Society

British Lichen Society | The British Lichen Society

https://britishlichensociety.org.uk/ has maps and other general information

Species and Maps | The British Lichen Society

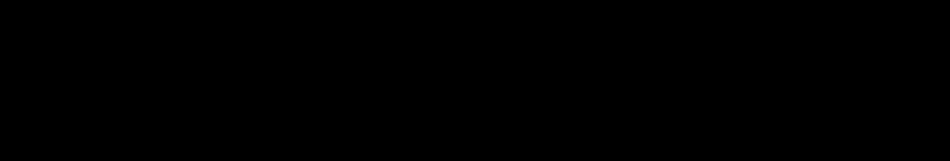
https://britishlichensociety.org.uk/resources/species-accounts

Irish Lichens http://www.irishlichens.ie/

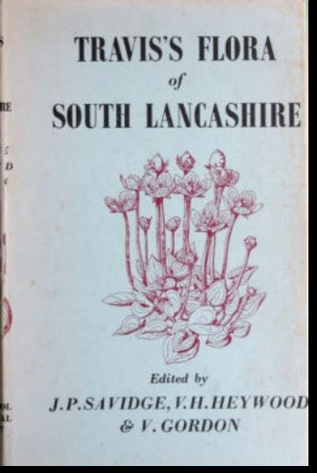
A key to common lichens on trees in England. Key to Nature project. -

Nimis, P.L., Wolseley, P., Martello, S. (2009). A key to common lichens on trees in England.

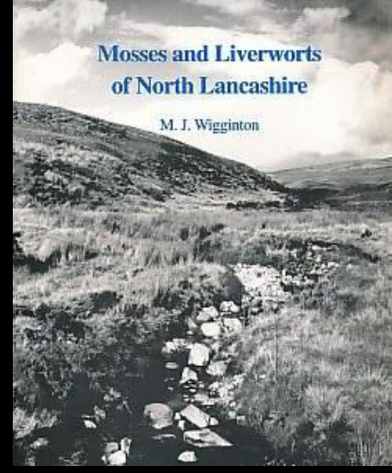
Urban Lichen Identification Guide
The University of Edinburgh https://blogs.ed.ac.uk › 2021/08 › ID_GUIDE
PDF
This ID guide covers28 common species .



Lichens | NatureSpot



Resources Local



Savidge, J.P., Heywood, V. H. & Gordon, V. (1963). *Travis's Flora of South Lancashire*. Liverpool Botanical Society.

Wigginton MJ. (1995). *Mosses and liverworts of North Lancashire: a bryophyte flora of Lancashire north of the River Ribble*. Lancaster: Centre for North-West Regional Studies, Lancaster University.

Wigginton MJ. (1985). The bryophyte flora of Lancashire: additions and deletions. *Naturalist*. 110: pages 77–80. https://www.biodiversitylibrary.org/item/204456#page/41/mode/1up

Smith, P.H. (2017). *An inventory of bryophytes for the Sefton Coast*. Unpublished.

Smith, P.H. & Styles, J. (2018). *Additions to the Inventory of Bryophytes for the Sefton Coast, 2017/18*. Unpublished.

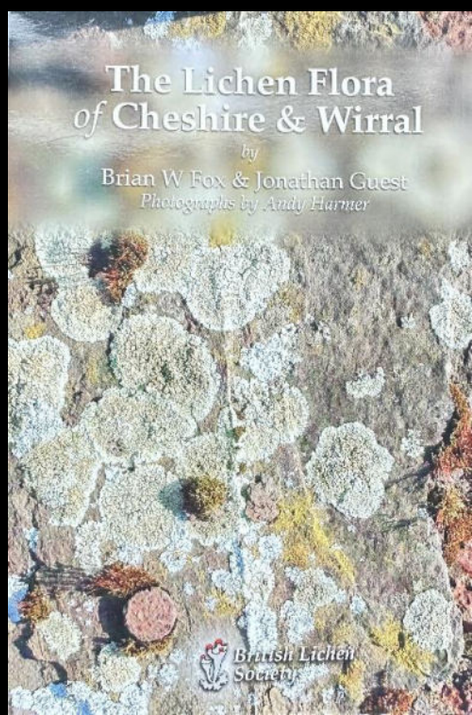
Fox, B.W. & Guest, J. (2002). *The Lichen Flora of Cheshire and Wirral*. Nepa Books

Wheldon, J.A. and Travis, W.G. (1915). The Lichens of South Lancashire. Botanical Journal of the Linnean Society, *J. Linn. Soc. (Bot.).* Volume **43**, Issue 289, Pages 87–136 Pages 87- 136. [dated now and nomenclature so changed, lists 186 species]

Gosling, M. (2013) Lichens in Cheshire. Pages 180-195. In Norman, D. (ed.). *Fifty Years of Cheshire's Wildlife*. CWT.

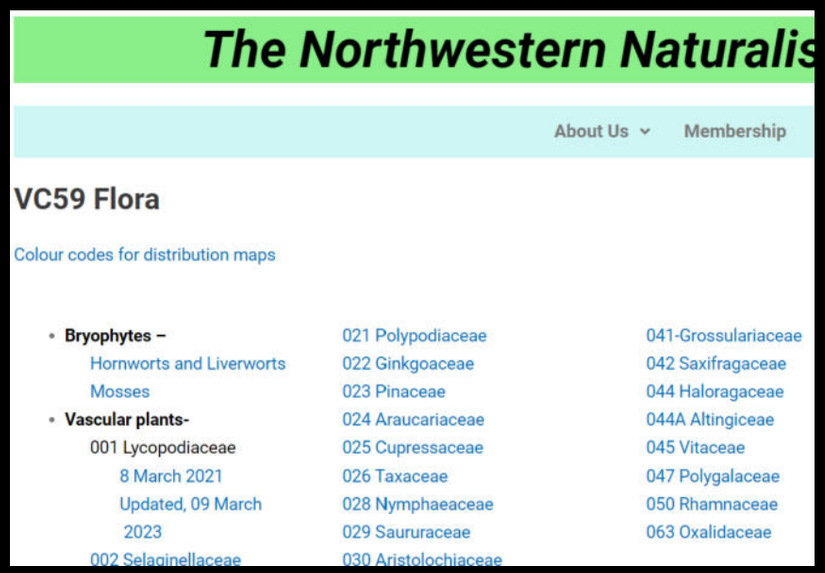
Lowell, J. (2004). Bryophytes. Pages100- 104 in Edmunds et al (2004). *Wildlife of Lancashire*. LWT/Carnegie Books.

Seaward, M. (2004). Lichens pages 105-108. in Edmunds et al (2004). *Wildlife of Lancashire*. LWT/Carnegie Books.



Resources Online Local

VC59 Flora Project



Annotated Checklists for Hornworts, Liverworts and Mosses. Maps for Ferns and start of Flowering Plants

VC59 Flora (northwesternnaturalistsunion.org.uk)

VC59 Flora has list of Hornworts, Liverworts and mosses and maps and species accounts for Ferns (northwesternnaturalistsunion.org.uk)

FernGuide.pdf (carlislenats.uk)

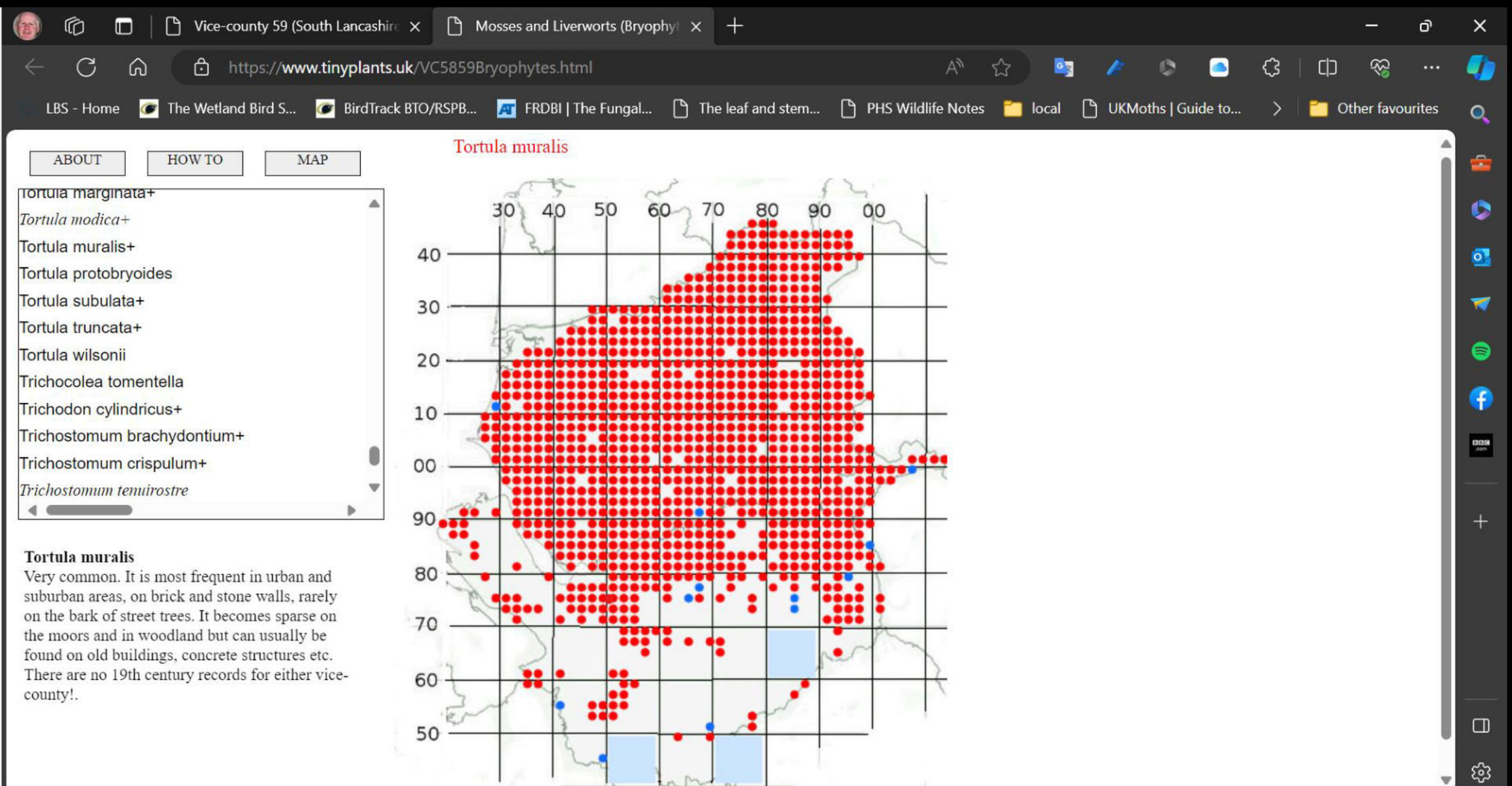
Cumbria Lichens and Bryophytes (cumbrialichensbryophytes.org.uk)

Resources Local

A bryological tour through South Lancashire …with John Lowell
https://www.britishbryologicalsociety.org.uk/recording/vice-county-maps/vice-county-59-south-lancashire/

Mosses and Liverworts (Bryophytes) of Cheshire and Lancashire< (tinyplants.uk)

https://www.tinyplants.uk/VC5859Bryophytes.html



Societies

- British Bryological Society
- British Pteridological Society etc.
- British Lichen Society

Museums

Library
Staff
Microscopes
Historical Records and Notebooks
Collections