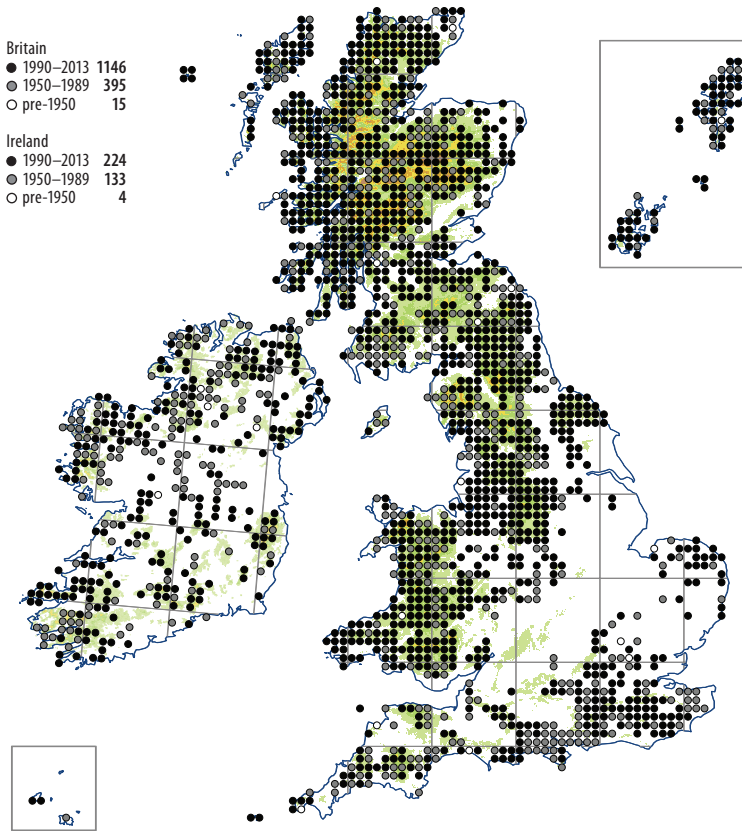


Calypogeia muelleriana



The habitats used by *Calypogeia muelleriana* are similarly broad to those in which *C. fissa* grows, but it is generally more restricted to base-poor substrates. It is most frequent on peat, *Molinia* and *Sphagnum* in bogs, heathland and marshy grassland, and on peat or decorticated logs in conifer plantations and acid woodland. It can also be common on siliceous rock, including rocks in woodland, scree and upland ravines. Altitudinal range: 5–1030 m.

Buczowska (2010) reports that there are two taxa within European *C. muelleriana*, with distinct isozyme profiles and differing morphological and oil body characters. Both occur in Britain, but their ecology here remains uncertain. One resembles *C. fissa* more closely than the other, and it is possible that some British records of *C. fissa* relate to this taxon.

In contrast to *C. fissa*, records suggest that *C. muelleriana* has remained more or less as frequent as it was in the 1960s.

Circumpolar Boreo-temperate. Europe north to Fennoscandia and Russia but rare in the south and east; Azores, Madeira. Morocco, Ethiopia; Caucasus, Siberia, Russian Far East, China; N America, Greenland.

Autoicous; sporophytes are occasional, March to June. Gemmae are common.

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