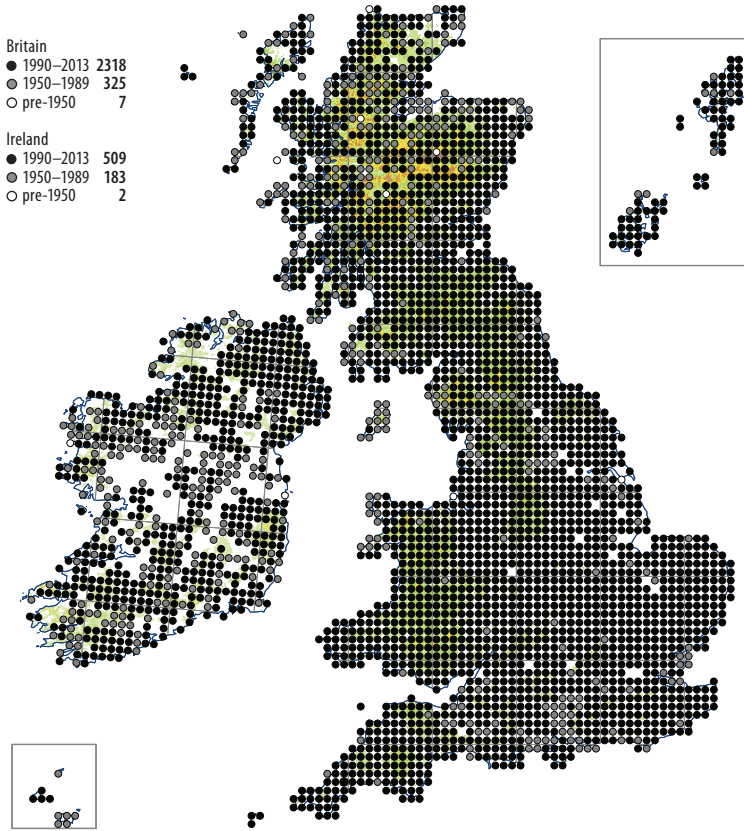


Lophocolea bidentata



Common and catholic, especially in damp situations: on soil among grass and mosses, on rotting wood and the roots and boles of trees, and on mossy rocks, walls and boulders. It grows in flushes and fens, by rivers, on rocky hillsides and upland cliffs, and in woods and sand dunes. *Lophocolea bidentata* is also one of the few liverworts that occurs frequently in mesotrophic grasslands. In eastern England it is often restricted to shaded grassland (e.g. on the north side of churches) and in limestone grassland in Derbyshire its cover decreased in plots which were warmed experimentally in winter by 3°C above ambient to simulate climate warming (Bates *et al.*, 2005). Altitudinal range: 0–810 m.

Two chromosome races are known – the name *L. bidentata* was formerly restricted to the one with n=9 and the one with n=18 was called *L. cuspidata*. There is also considerable variation in morphology, and some correlation between morphological races and chromosome races, but with too many exceptions to allow treatment even at varietal level.

European Temperate. Recorded in Europe from mid Scandinavia south to the mountains of the Mediterranean region. Subcosmopolitan, mainly in temperate regions.

S.D.S. Bosanquet

Autoicous; often fertile, sporophytes are common, January to August. Gemmae are absent.

