

Vascular plants

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In the Czech Republic occur on the whole 36 species of vascular plants according to the appendix II of Directive 92/43/EEC (further only Directive), 35 from them is regarded as endangered, only *Trichomanes speciosum* appears to be less in danger. Species of this group may be divided in three categories according to their bindings on single habitats. Above all are this species in CR narrowly fixed on concrete communities within one habitat and these habitats have then for the complex protection of the species a crucial meaning. This are mostly diagnostic species of appropriate units (*Campanula gelida*, *Coleanthus subtilis*, *Crambe tataria*, *Dianthus lumnitzeri*, *Liparis loeselii*, *Luronium natans*, *Poa riphaea* and *Stipa zaleskii*). Further is this a group of species, that occur in CR in more habitat as a rule of one formation group. Excepting *Cirsium brachycephalum* these are mainly species fixed on dry grasslands (e.g. *Artemisia pancicii*, *Pulsatilla grandis* or *Dianthus moravicus*), or grasslands on shallow and sandy soil (e.g. *Jurinea cyanoides* and *Dianthus arenarius* subsp. *bohemicus*), rarely also *Nardus* grasslands (*Gentianella praecox* subsp. *bohemica*). Last group form species growing in CR in more habitats of several formation groups (e.g. *Asplenium adulterinum*, *Campanula bohemica*, *Pulsatilla patens*). These are species, whose coenological structure is wider till very broad (e.g. *Cypripedium calceolus*). With the exception of *Campanula bohemica* are they tolerant to shade and except light posts are they able to grow also in forest habitats, inclusive habitats with an ecotonal character. Species of this group occur in habitats of following formation groups – A, A6, S, M, R, T, T3, T5, L, L6.