

# *Vaccinium myrtillus*

## Habitus and growth type

Plant height [m]: **0.38**

Life span: **Perennial**

Life form: **Chamaephyte, Dwarf shrub**

## Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**

Leaf phenology (woody plants only): **Winter deciduous**

Specific leaf area [mm<sup>2</sup>/mg]: **20.87**

## Flower

Flowering period: **May-July**

## Fruit, seed and dispersal

Seed mass [mg]: **170.37**

Dispersal mode: **Endozoochory**

Dispersal distance class: **6**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Taxon origin

Origin in Europe: **native**

## Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **5.7**

Reaction indicator value: **1.9**

Nutrient indicator value: **2.5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.15**

Disturbance frequency (herb layer): **1.18**  
 Disturbance severity: **0.61**  
 Disturbance severity (herb layer): **0.16**  
 Mowing frequency: **0.02**  
 Grazing pressure: **0.21**  
 Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [BA \(PIC\) \*Vaccinio-Piceetea\*](#), [CC \(QUE\) \*Quercetea robori-petraeae\*](#), [CH \(ULI\) \*Calluno-Ulicetea\*](#), [CI \(NAR\) \*Nardetea strictae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [N1F Baltic coniferous coastal dune forest](#), [S22 Alpine and subalpine ericoid heath](#), [S26 Subalpine \*Pinus mugo\* scrub](#), [T18 \*Fagus\* forest on acid soils](#), [T1C Temperate and boreal mountain \*Betula\* and \*Populus tremula\* forest on mineral soils](#), [T31 Temperate mountain \*Picea\* forest](#), [T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T35 Temperate continental \*Pinus sylvestris\* forest](#), [T39 Mediterranean and Balkan subalpine \*Pinus heldreichii\*-\*Pinus peuce\* forest](#), [T3F Dark taiga](#), [T3G \*Pinus sylvestris\* light taiga](#), [T3H \*Larix\* light taiga](#), [T3J \*Pinus\* and \*Larix\* mire forest](#), [T3K \*Picea\* mire forest](#)

Constant species of EUNIS habitats: [N1F Baltic coniferous coastal dune forest](#), [Q11 Raised bog](#), [R1M Lowland to montane, dry to mesic grassland usually dominated by \*Nardus stricta\*](#), [R23 Mountain hay meadow](#), [R42 Boreal and Arctic acidophilous alpine grassland](#), [R43 Temperate acidophilous alpine grassland](#), [R52 Forest fringe of acidic nutrient-poor soils](#), [R54 \*Pteridium aquilinum\* vegetation](#), [R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [S11 Shrub tundra](#), [S12 Moss and lichen tundra](#), [S22 Alpine and subalpine ericoid heath](#), [S23 Alpine and subalpine \*Juniperus\* scrub](#), [S25 Subalpine and subarctic deciduous scrub](#), [S26 Subalpine \*Pinus mugo\* scrub](#), [S31 Lowland to montane temperate and submediterranean \*Juniperus\* scrub](#), [S42 Dry heath](#), [T16 Broadleaved mire forest on acid peat](#), [T18 \*Fagus\* forest on acid soils](#), [T1B Acidophilous \*Quercus\* forest](#), [T1C Temperate and boreal mountain \*Betula\* and \*Populus tremula\* forest on mineral soils](#), [T1D Southern European mountain \*Betula\* and \*Populus tremula\* forest on mineral soils](#), [T27 \*Ilex aquifolium\* forest](#), [T31 Temperate mountain \*Picea\* forest](#), [T32 Temperate mountain \*Abies\* forest](#), [T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T35 Temperate continental \*Pinus sylvestris\* forest](#), [T39 Mediterranean and Balkan subalpine \*Pinus heldreichii\*-\*Pinus peuce\* forest](#), [T3F Dark taiga](#), [T3G \*Pinus sylvestris\* light taiga](#), [T3H \*Larix\* light taiga](#), [T3J \*Pinus\* and \*Larix\* mire forest](#), [T3K \*Picea\* mire forest](#), [T3M Coniferous plantation of non site-native trees](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U35 Boreal and Arctic base-rich inland cliff](#)

Dominant species of EUNIS habitats: [S11 Shrub tundra](#), [S22 Alpine and subalpine ericoid heath](#), [S23 Alpine and subalpine \*Juniperus\* scrub](#), [S26 Subalpine \*Pinus mugo\* scrub](#), [S31 Lowland to montane temperate and submediterranean \*Juniperus\* scrub](#), [S42 Dry heath](#), [T16 Broadleaved mire forest on acid peat](#), [T18 \*Fagus\* forest on acid soils](#), [T1B Acidophilous \*Quercus\* forest](#), [T1C Temperate and boreal mountain \*Betula\* and \*Populus tremula\* forest on mineral soils](#), [T1D Southern European mountain \*Betula\* and \*Populus tremula\* forest on mineral](#)

[soils](#), [T31 Temperate mountain Picea forest](#), [T32 Temperate mountain Abies forest](#), [T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest](#), [T35 Temperate continental Pinus sylvestris forest](#), [T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest](#), [T3F Dark taiga](#), [T3G Pinus sylvestris light taiga](#), [T3H Larix light taiga](#), [T3J Pinus and Larix mire forest](#), [T3K Picea mire forest](#)

Broad habitat

Occurrence in broad habitats: **Spring, Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

## **Distribution**

Continentality amplitude: **6**