



## Quercus muehlenbergii



|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| Magasság                    | 20 m                                                                                                       |
| Szélesség                   | 15-20m                                                                                                     |
| Korona                      | vase-shaped, half-open crown                                                                               |
| Kéreg és ágak               | branches brownish grey to reddish brown: bark light grey, shallowly grooved or peeling off in small plates |
| Leaf                        | elongated, 6-18 cm long, glossy green to yellow-green, margins shallowly lobed to toothed                  |
| Virágok                     | catkins, inconspicuous                                                                                     |
| Gyümölcsök                  | oval acorn, 1-2 cm long, edible                                                                            |
| Tüskés/tövises              | egyik sem                                                                                                  |
| Mérgező tulajdonság         | rendszerint nem mérgező emberek, (nagytestű) háziállatok és haszonállatok számára                          |
| Talajtípus                  | clayed soil, loamy soil, sandy soil, calcareous soil                                                       |
| Ültetési hely követelményei | Nem viseli el az útburkolatokat                                                                            |
| télállóság                  | 5b (-26,0 és -23,4 °C)                                                                                     |
| Szélellenállóság            | moderate                                                                                                   |
| Egyéb tűrőképességek        | fagytűrő (télállósági fok: 1-6)                                                                            |
| Alkalmazások                | ipari terület                                                                                              |
| Forma                       | magas törzsű fa                                                                                            |

Quercus muehlenbergii is a large tree with a round crown up to 20 m. In exceptional cases, the tree can grow up to 30 m tall. At a young age, Q. muehlenbergii can grow strongly. The bark is light grey and shallowly grooved or detached in small plates. The leaves are oblong and glossy mid-green to yellow-green on the upper side. The underside is grey-green and thin, felt-like hairs. The leaf margin is shallowly lobed to toothed. The lateral veins always end in a short point, at the apex of each tooth or leaf lobe. The oval acorns measure 1-2 cm and are about half enclosed by the cup. This is studded with thick, hairy scales. The acorns are edible and taste sweet.

Q. muehlenbergii is not a rare species in nature, but is not found anywhere in large numbers. It is a typical species of continental USA and does not occur in coastal areas. The tree therefore does not tolerate sea breezes. Q. muehlenbergii prefers moist but well-drained soils. Nevertheless, the tree also tolerates drought. A neutral to calcareous soil is desirable for good growth.

The wood is hard and durable, but because the tree is not common it is little used.