

## **Celtis australis**

species: **Celtis australis** (Nettle Tree, Hackberry)

plant family: **Ulmaceae**

at aerobiological analyses usually achieved determination level: **Celtis, Ulmaceae**

photos:

© Biologisches Labor, Umweltagentur Bozen (Italy)

### **description:**

**outline:** irregular circular to elliptical

size: polar axis: 30.8 (27-35)  $\mu\text{m}$ , very changeable

apertures: tri- to penta-zonoporate, pori about 2-3  $\mu\text{m}$  wide, with dots of remnants from the exine.

pollen wall: thin, scabrate exine, thin intine, thickened to onci underneath the pori.

note: granular cytoplasm, containing numerous leucoplasts sized about 1-2  $\mu\text{m}$ .

### **remarks to the plant:**

Hackberry is a wind-pollinated Mediterranean tree or shrub, growing spontaneous on dry, rocky slopes on hot places. It is often planted as an ornamental as it is resistant to air pollution and long-living. Leaves are hairy on both sides, broad-lanceolate setose to caudate and clear serrate. Long-stalked inconspicuous flowers open at the same time as leaves unfold from end of March to May. Male flowers appear in pauci-floral racemes, bisexual flowers stand singular basal next to the stem. A reddish-brown to black fruit contains a stone and (edible) fruit flesh.