

# SMALL-LEAVED LINDEN



Kingdom: Plants – Plantae

Division : Flowering plants – Magnoliophyta

Class: Dicotyledons – Dicotyledonese

Order: Malvales – Malvales

Family: Mallow family – Malvaceae

Genus: linden tree – Tilia

Species: Small-leaved linden – Tiliacordata



# DESCRIPTION

*Tilia cordata* is a tree growing up to 30 m. The bark is smooth and grayish when young. The leaves are alternately arranged, 3-8 cm long and broad, the leaves are heart-shaped. Flowers produce a light yellow, small bouquet. Have a rich, heavy scent. The fruit is a dry nut-like drupe 6-7 mm long.

Flowering from the beginning of June and July 10-15 days.

# ECOLOGY

The trees favour good, loamy sites, but can also be found on sandy, infertile soils, and are drought resistant. Dormant shoots of *Tilia cordata* can resist winter frost temperatures as low as  $-34^{\circ}\text{C}$ .

# CULTURAL SIGNIFICANCE

*Tilia cordata* is the national tree of the Czech Republic and the Slovak Republic. The leaf of *Tilia cordata* is also considered a national symbol of Slovenia.

# SPREAD

It is found from Britain through central Fennoscandia, to central Russia, and south to central Portugal, Spain, Italy, Greece, Bulgaria, Romania, Turkey, the Caucasus, and western Asia. *Lipa serrate* is widely distributed throughout the territory of Kazakhstan.

# APPLICATION

Contains essential oils, wax, calcium, hesperidin, sugar, mucus, carotene, vitamin C. Flowers are added with additional flowers to make the drug. In folk medicine, his flower is used against rheumatism, coughing and abdominal pain. It is also used to treat muscle contraction of the foot and arm muscles, the formation of kidney stones and sand on the bladder. Small-leaved linden is used in construction, furniture production. Grown in the park for beauty.





**THANKS FOR YOUR  
ATTENTION**