Tilia cordata 'Greenspire'
Greenspire little-leaf Linden

Tilia cordata 'Greenspire' is a cultivar of the small leaved lime, selected in 1961 in the United States by Princeton Nurseries in New Jersey. This variety was developed specifically for urban use, thanks to its straight growth, uniform habit, strong structure and relatively narrow crown. 'Greenspire' reaches a height of approximately sixteen to twenty meters and a width of about seven to ten meters. The crown is symmetrical, narrow pyramidal in youth and later developing into an oval to narrow ovate form, with a strong central leader and equally strong, upright side branches that are relatively densely branched.

The leaves of *Tilia cordata* 'Greenspire' are heart shaped with an abruptly pointed tip, dark green and glossy on the upper surface, with a lighter blue green underside. In autumn, the foliage turns yellow, creating a striking seasonal display. The tree flowers around June and July with fragrant, cream yellow blossoms arranged in hanging clusters, accompanied by light green bracts. These flowers are highly attractive to bees and other insects. After flowering, small, hard, nut like fruits are formed. The bark is initially smooth and gray brown to dark brown, later becoming lightly furrowed. The twigs are slender, olive green and later turn brown red to olive green, smooth and elegantly branched.

Greenspire small leaved lime is an excellent choice for avenues, wide streets, squares and parks due to its upright growth habit and high tolerance of urban conditions. It is well resistant to air pollution, drought, wind and sea wind, making it suitable for both urban and industrial environments. The tree grows best on fertile, well drained soils, but in practice tolerates a wide range of soil types in full sun or partial shade. When planted in suitable locations, *Tilia cordata* 'Greenspire' shows low susceptibility to aphids, and its stable, well defined crown makes it especially suitable for formal streetscapes.

TYPES OF PLANTING

Tree types: standard trees, feathered trees, climate trees, shade trees | **Topiary on stem**: block, roof-trained, pollard, candelabra, espalier, pleached

USE

Location: street, avenue, square, car park / parking lot, park, central reservation, large garden, cemetery, traffic areas, industrial zones, countryside, ecological zone, coastal area | **Pavement**: none, open, sealed | **Planting concepts**: Climate planting, Eco planting, Landscape planting, urban planting

CHARACTERISTICS

Crown shape: narrow oval, narrow egg-shaped, pyramidal | **Crown structure**: dense | **Height**: 16 - 20 m | **Width**: 7 - 10 m | **Winter hardiness zone**: 4A - 8B

ASPECTS

Wind: tolerant to wind, tolerant to coastal wind | **Soil**: loess, sabulous clay, peaty, heavy clay, light clay, sand, loamy soil, all soils | **Nutrient level**: moderately rich in nutrients, rich in nutrients | **Soil moisture level**: dry, moist | **Light requirements**: sun, partial shade | **pH range**: acidic, neutral, alkaline | **Host plant/forage plant**: bees, nectar value 5, pollen value 5 | **Extreme environments**: tolerant to dryness, tolerates air pollution, tolerates heat, limited to rare infestation by lice

PLANTKENMERKEN

Flowers: corymbose, striking, standing, flower-scented | **Flower colour**: cream-yellow | **Flowering period**: June - July | **Leaf colour**: dark green, underside blue-green | **Leaves**: deciduous, orbicular, cordate, small, polished | **Autumn colour**: yellow | **Fruits**: discrete, drupe | **Fruit colour**: grey | **Bark colour**: grey-brown | **Bark**: slightly furrowed | **Twig colour**: red-brown, olive green | **Twigs**: bare, vertical branches, finely branched | **Root system**: many hair roots, central root