

# *Tilia cordata* 'Roelvo'

## Little-leaf linden Roelvo



*Tilia cordata* 'Roelvo' was selected in 1988 by the nursery M. Roelofsen in Opheusden, the Netherlands, for its regular growth and distinctly narrow habit. The tree reaches a height of approximately twelve to fifteen meters and a width of five to ten meters. Initially, small-leaved lime 'Roelvo' develops a narrow pyramidal crown that later matures into a broader, semi-open pyramidal form, appearing slightly more irregular than that of *Tilia cordata* 'Böhlje'.

The glossy, bright green, relatively small leaves are heart-shaped at the base, ovate to rounded in form, and have a pointed tip. In autumn, the foliage turns yellow. *Tilia cordata* 'Roelvo' flowers from June to early July with pale yellow, strongly fragrant blossoms borne in short clusters that are very attractive to bees. Small, round fruits follow, initially covered with soft gray felt which later becomes smooth. The bark is dark brown and furrowed, while young twigs change in color from green to reddish brown.

*Tilia cordata* 'Roelvo' is particularly suitable as a street and avenue tree and also performs well in parks, public squares, and coastal areas. This is due to its narrow growth habit and tolerance of sea winds, paved conditions, and virtually all soil types, provided they are not excessively wet. Small-leaved lime 'Roelvo' thrives in full sun to partial shade, is fully winter hardy, and is hardly affected by aphids. The tree grows relatively fast initially, although under drier conditions *Tilia cordata* 'Böhlje' and *Tilia cordata* 'Rancho' grow more vigorously. One minor drawback is the tendency to produce basal suckers. The combination of upright, disciplined growth, urban resilience, and abundant flowering makes 'Roelvo' a durable choice for urban planting schemes.

### TYPES OF PLANTING

**Tree types:** standard trees | **Topiary on stem:** block

### USE

**Location:** street, avenue, square, park, central reservation, large garden, cemetery, coastal area | **Pavement:** none, open, sealed | **Planting concepts:** Eco planting, shade-tolerant

### CHARACTERISTICS

**Crown shape:** narrow pyramidal, wide pyramidal | **Crown structure:** semi-open | **Height:** 12 - 15 m | **Width:** 5 - 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, shade | **pH range:** acidic, neutral, alkaline | **Host plant/forage plant:** bees, nectar value 5, pollen value 5 | **Extreme environments:** limited to rare infestation by lice

### PLANTKENMERKEN

**Flowers:** corymbose, striking, standing, strongly scented | **Flower colour:** pale yellow | **Flowering period:** June - July | **Leaf colour:** bright green, underside blue-green | **Leaves:** deciduous, ovate, cordate, small, polished | **Autumn colour:** yellow | **Fruits:** discrete, drupe | **Fruit colour:** grey | **Bark colour:** dark brown | **Bark:** slightly furrowed | **Twig colour:** red-brown, green | **Twigs:** bare, vertical branches, finely branched | **Root system:** deep, extensive, highly branched, root suckers

