

Scientific Name: *Tilia cordata*

Common Name: Littleleaf Linden

Environmental Conditions:

Hardiness Zone: 3b

Soil Moisture:

| | | | | | | | | | | | |
|---|---|---|---------------------------------------|---|---|--------------------------------|---|----|-------------------------------|----|--|
| VERY WET | | | | | | VERY DRY | | | | | |
| occasionally saturated or very wet soil | | | consistently moist, well drained soil | | | occasional periods of dry soil | | | prolonged periods of dry soil | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |

*prolonged drought will lead to leaf scorch

Sun/Shade: full sun

Salt: sensitive

pH: ≤ 8.2

Insect/Disease Factors: various pests are potentially problematic for *Tilia*, although most are rarely serious, aphids (highly susceptible) and Japanese beetles (especially **Greenspire®**) can be serious problems for *T. cordata*

Growth Characteristics:

Height: 50'-70'

Width: 30'-50'

Form/Habit: pyramidal in youth, upright-oval to pyramidal-rounded with age, dense, some cultivars available in multi-stem form (**GreenSpire®**)

Rate: medium to 'fast

Ornamental Characteristics:

Flower: yellowish, drooping clusters attached to pale greenish-yellow leaf-like bracts, mid-summer, very fragrant, attracts bees, flowers after *T. americana* but before *T. tomentosa*

Fruit: not ornamentally important, small nutlets, globose, attached to bracts, late summer

Seasonal Foliage Color: dark shiny green in summer, yellow-green to yellow in fall

Bark: not ornamentally important, gray-brown, ridged and furrowed on older trunks

Transplant Issues: easy to transplant B&B or ≤ 2" caliper bare root

Management Issues: none of significance

Suggested Uses: narrow or wide street tree lawns/pits, parks, suitable for CU-Structural Soil™

Cultivars: many are known, the following are more readily available selections

Chancellor® ('**Chancole**', fast growing, narrow in youth, becoming tightly pyramidal with age, 20'-30' wide, symmetrical, upward branching, good branch angles, straight trunk, dense, gold-yellow fall color),

Corinthian® ('**Corzam**', pyramidal, compact, 15'-25' wide, straight central leader, uniform limb spacing, straight trunk, foliage smaller, thicker, glossier, and reportedly more blue-green), **Fairview™**

(fast growing, evenly spaced branching, thick and leathery foliage, less formal look than other cultivars due to a less dense habit), '**Glenleven**' (reportedly very cold hardy, fast growing, pyramidal to narrow-oval, straight trunk, symmetrical branching, larger leaves, less dense than some other cultivars),

Greenspire® ('**PNI 6025**', zone 4, pyramidal to narrow-oval, strong central leader, symmetrical branching habit), '**Olympic**' (zone 4, symmetrical form, broadly pyramidal, better branching), '**Rancho**'

(upright-oval, 20'-30' wide, vigorous, smaller leaves, good branch angles, heavy flowerings, very fragrant flower, partially resistant to Japanese beetles), **Shamrock®** ('**Baileyi**', zone 4, broadly pyramidal, more vigorous and more open habit than Greenspire®, symmetrical branching at an early age)



'Glenleven'