

Scientific Name: *Ulmus parvifolia*

Common Name: Chinese Elm or Lacebark Elm

Environmental Conditions:

Hardiness Zone: 5b

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	

Sun/Shade: full sun

Salt: some observed tolerance

pH: ≤ 8.2

Insect/Disease Factors: species shows reliably good resistance to Dutch elm disease, elm yellows, and elm leaf beetle, as well as Japanese beetle

Growth Characteristics:

Height: 40'-75'

Width: 30'-75'

Form/Habit: variable, rounded or vase-shaped, often with pendulous branchlets, some almost American Elm-like with upright-spreading branches, while others are broader than tall with broad-spreading branches

Rate: medium to fast

Ornamental Characteristics:

Flower: not ornamentally important, inconspicuous, late summer to early fall

Fruit: 1/3" disc-like samara, ripens in fall

Seasonal Foliage Color: lustrous dark green in summer, color varies in fall, yellow to reddish purple

Bark: extremely ornamental, exfoliates and mottles in combinations of gray, green, orange, and brown, often with burnt orange corky lenticles

Transplant Issues: transplant B&B

Management Issues: none of significance

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

Cultivars: *New cultivars selected for various ornamental characteristics and/or cold hardiness are becoming increasingly available. The following newer cultivars are hardy to Zone 5 and currently available: 'Dynasty' (one of the first introductions, hence is more easily available cultivar, upright vase-shaped, 50' high, 45' wide, dull orange to red fall color but bark extremely inferior to following cultivars and often not even considered ornamental), Allee® ('Emerald Vase' or 'Emer II', upright-spreading form, 70' high, 60' wide, dense canopy, trunk irregularly fluted, excellent bark pattern – even on surface roots and 1"-2" diameter branches, bark has burnt orange corky lenticels, subdued yellow fall color), Athena® ('Emerald Isle' of 'Emer I', broad-spreading habit, rounded/globe-shaped, 40' high, 55' wide, dense canopy, excellent bark pattern begins 2' off the ground, bark has burnt orange corky lenticels, leathery foliage, very dark green-almost black-in summer, bronze-brown in fall), 'Ohio' (moderately vase-shaped, probably 40'-50' high, 35'-45' wide, perhaps larger, appears more loose and open, attractive gray-orange exfoliating bark, smaller leaves, grass green summer foliage, grayish-red fall color, fruit ripens red-purple color), 'Pathfinder' (vase-shaped, probably 35'-45' high, 30'-40' wide, perhaps larger, sometimes strong central leader, bark likely similar to 'Ohio'–attractive gray-orange exfoliating, yellow-green leaves in summer, grayish-red in fall, fruit ripens red-purple color), *Three cultivars selected for cold hardiness (possibly into zone 4) that may become more available in the near future: 'Hallelujah' (fast growing, excellent foliage and bark detail), 'Matthew' (upright vase-shape, strong branches, bark exfoliates at early age), and 'Zettler' (strong, upright habit, excellent branching structure)*