

Scientific Name: *Ulmus americana*

Common Name: American Elm Cultivars

Environmental Conditions:

Hardiness Zone: varies, 3b to 5a (see cultivar listing below)

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: all cultivars listed below show moderate to excellent resistance to Dutch elm disease ('Valley Forge' thought to have the highest resistance), although resistance to elm yellows (a fatal disease sometimes known as Phloem Necrosis) and elm leaf beetle (an insect that can cause severe damage in some areas) varies

Cultivar	Elm Yellows	Elm Leaf Beetle
'New Harmony'	resistant	resistant
'Valley Forge'	resistant	resistant
'Delaware #2'	susceptible	unknown
'Princeton'	unknown	resistant
'Washington'	moderately susceptible	unknown

* 'Liberty' is highly susceptibility to elm yellows and is not recommended due to variability of resistance to Dutch elm disease

Growth Characteristics:

Height: 60'-80', can grow over 100'

Width: 40'-80'

Form/Habit: vase-shaped

Rate: medium to fast

Ornamental Characteristics:

Flower: not ornamentally important, inconspicuous

Fruit: ½" disc-shaped, matures in spring

Seasonal Foliage Color: lustrous green to dark green, often yellow in fall

Bark: dark gray, fissured, with broad, deep, intersecting ridges

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:

Most promising new cultivars: 'New Harmony' (zone 5 (4), broadly vase-shaped, more rounded than 'Valley Forge', yellow fall color), 'Valley Forge' (zone 5, upright arching, vase-shaped, classic American Elm shape, dense, yellow fall color)

Available: 'Delaware #2' (zone 3b (3a), broadly rounded vase-shaped, sometimes irregular habit, fast growing, bright green foliage), 'Princeton' (zone 4 (3b), upright vase-shaped, symmetrical, fast growing, leathery dark green foliage, yellow fall color), 'Washington' (zone 3b, classic vase-shape, glossy foliage)

