



Ulmus 'Frontier'



Height	6 - 10 m
Width	6-9m
Crown	pyramidal, later oval, half-open crown
Bark and branches	bark grey-green, smooth
Leaf	oval to elongated-ovate, glossy dark green
Autumn colour	red
Flowers	in dense clusters, green, September
Fruits	flat winged nutlets, oval
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	fertile, moist and airy, tolerates limy soil
Soil moisture	suitable for wet soil, withstand short flood
Paving	tolerates paving
Winter hardiness zone	5 (-28,8 to -23,4 °C)
Wind resistance	fairly to good
Other resistances	resistant to frost (WH 1 - 6), can withstand wind
Application	avenues and broad streets
Shape	clearstem tree
Origin	U.S. National Arboretum, Washington DC, USA, 1990

A medium-size tree with an initially ascending, pyramidal crown and a good upright central leader. Mature trees have an oval crown and grow to a height of 6 to 10 m. The grey-green bark is smooth. The relatively small leaf is oval to elongated-ovate and glossy dark green. In autumn it turns an attractive red to dark wine red. Unlike many other Elms, 'Frontier' blossoms in September and not in spring. The tree originated as a hybrid between *Ulmus minor* and *Ulmus parvifolia*. The latter is an Asian species that is evergreen in milder climates. *Ulmus parvifolia* naturally has a very strong resistance to Dutch elm disease. To a certain extent, 'Frontier' has inherited this resistance. Its oval crown shape makes it suitable as an avenue tree or street tree.