Fraxinus pennsylvanica 'Summit'
'Summit' Green Ash

Fraxinus pennsylvanica 'Summit' (Green ash 'Summit') was found and introduced in 1957 by Summit Nurseries in Stillwater, USA. The tree has an upright and symmetrical crown in its juvenile form which, as it matures, becomes broader and tops out broadly oval to round. The straight trunk penetrates high into the densely branched crown. *Fraxinus pennsylvanica* 'Summit' reaches an ultimate height of ten to sixteen metres and between seven and ten metres wide.

The green budding, composite foliage of 'Summit' is made up of shiny lanceolate leaves. The leaf stays green in the summer and early in the autumn changes to a stunning bright yellow after which it drops from the tree fairly early. *Fraxinus pennsylvanica* 'Summit' blooms in April with inconspicuous yellow-green plumes or panicles and despite being most likely female, the tree bears no seeds. In its juvenile state, the bark is smooth and prone to sunburn but as the tree matures a more grooved bark develops and this tendency declines.

The uniform crown and its very upright main trunk make *Fraxinus pennsylvanica* 'Summit' an excellent choice in avenues, green verges or in streets, provided it is planted in semi-paved areas. The tree is resistant to salt spray and also strong winds and coastal winds, as well as brief flooding and - on fertile soil - periods of drought. The selection 'Summit' also anchors firmly thanks to its deep taproot. These characteristics make the tree suitable for planting in urban areas but *Fraxinus pennsylvanica* 'Summit' also stands out in parks and large gardens with its beautiful autumn colour. On ground that does not allow the tree to develop its roots it can force up the paving and consequently a substrate very well suited to improving the habitat of trees is important. It is advisable to prune to shape and thin out to ensure good crown development early on.

SEASONAL COLOURS

jan feb mar apr mei jun jul aug sep okt nov dec

TYPES OF PLANTING

Tree types: standard trees, multi-stemmed trees, climate trees, shade trees

USE

Location: street, avenue, square, car park / parking lot, park, central reservation, large garden, cemetery, windbreak, bioswale, coastal area | **Pavement**: none, open | **Planting concepts**: Climate planting, urban planting

CHARACTERISTICS

Crown shape: rounded, ovoid, wide oval | **Crown structure**: semi-open | **Height**: 10 - 16 m | **Width**: 7 - 10 m | **Winter hardiness zone**: 4A - 9B

ASPECTS

Wind: tolerant to wind, slightly 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, wet | **Light requirements**: sun | **pH range**: acidic, neutral, alkaline | **Extreme environments**: tolerant to salt spray, tolerant to dryness, tolerant to short-term flooding

PLANTKENMERKEN

Flowers: discrete | **Flower colour**: yellow-green | **Flowering period**: April - April | **Leaf colour**: green | **Leaves**: deciduous, lanceolate, polished, pinnate, composite | **Autumn colour**: yellow, golden yellow | **Fruits**: discrete, rarely fruits, winged | **Fruit colour**: brown | **Bark colour**: grey-brown | **Bark**: furrowed, smooth | **Twig colour**: pale brown, olive green | **Twigs**: with lenticels, vertical branches, thickly branched | **Root system**: deep, shallow, extensive, tap root, central root, roots push up surface

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