

# *Gleditsia triacanthos* f. *inermis*

## Thornless honeylocust



*Gleditsia triacanthos* f. *inermis* (thornless honey locust) originated in North America in 1789 as a natural variation of the species. It has the same shape as the *Gleditsia triacanthos*, save for the important fact that the *inermis* is thornless. It grows into a large, rugged tree, up to more than 20 metres high and 10 metres wide. It has a beautifully transparent crown. It is assumed that most thornless *Gleditsia* cultivars are selections from f. *inermis*.

In the springtime, *Gleditsia triacanthos* f. *inermis* buds pinnate, deep bronze-red leaves, which turn a fresh green colour around June. At the same time, the tree blooms discreet, yellow-green racemes. In autumn, the leaves are a beautiful golden yellow. After blooming, the striking, yellow-green legumes appear, that are between 30 and 45 cm long. Later on in the year, the long legumes turn red-brown. The bark is grey and furrowed.

Coastal winds, salt spray, dryness, air pollution and brief floods are well tolerated by *Gleditsia triacanthos* f. *inermis*. That makes the tree perfect for urban areas. The thornless honey locust is used a lot on lanes and streets, for example, but is also often found in central reservations. With a nectar and pollen value of 5, the tree is also excellent at producing pollen for bees. *Gleditsia triacanthos* f. *inermis* thrives in both dry and moist soil, with a neutral to acidic pH value and prefers a sunny environment.

### SEASONAL COLOURS



### TYPES OF PLANTING

**Tree types:** standard trees, multi-stemmed trees, characteristic trees | **Topiary on stem:** roof-trained, pollard, vase

### USE

**Location:** street, avenue, square, park, central reservation, large garden, cemetery, traffic areas, industrial zones, windbreak, bioswale | **Pavement:** none, open, sealed | **Planting concepts:** Eco planting, urban planting

### CHARACTERISTICS

**Crown shape:** ovoid | **Crown structure:** open | **Height:** 15 - 20 m | **Width:** 10 - 15 m | **Winter hardiness zone:** 5A - 8B

### ASPECTS

**Wind:** slightly tolerant to wind, slightly tolerant to coastal wind | **Soil:** loess, sabulous clay, light clay, sand, loamy soil | **Nutrient level:** moderately rich in nutrients, rich in nutrients | **Soil moisture level:** dry, moist, wet | **Light requirements:** sun | **pH range:** acidic, neutral, alkaline | **Host plant/forage plant:** bees, nectar value 5, pollen value 5 | **Extreme environments:** tolerant to salt spray, tolerant to dryness, tolerates air pollution, tolerant to short-term flooding

### PLANTKENMERKEN

**Flowers:** raceme, star-shaped, pendulous, scented | **Flower colour:** yellow-green | **Flowering period:** June - July | **Leaf colour:** buds bronze, pale green | **Leaves:** deciduous, ovate, pinnate, Nitrogen fixing | **Autumn colour:** golden yellow | **Fruits:** striking, pod | **Fruit colour:** red-brown | **Bark colour:** grey | **Bark:** furrowed | **Twig colour:** grey-green | **Twigs:** thornless, zigzagging | **Root system:** deep, shallow, fleshy