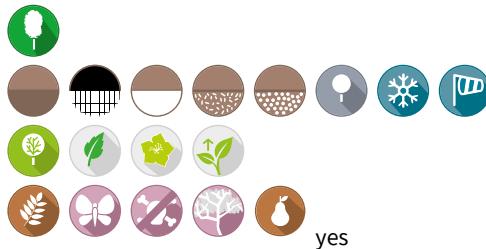


## Zanthoxylum americanum



yes

<b>Height</b>	4 - 8 m
<b>Crown</b>	round, half-open crown, capricious growing
<b>Bark and branches</b>	twigs brown and short-haired, bark grey
<b>Leaf</b>	imparipinnate with 5 - 13 leaf segments, oval to ovate, dark green, 3 - 6 cm, feathered leaf
<b>Flowers</b>	in axillary clusters, yellow-green, April
<b>Fruits</b>	fleshy round capsules, black, aromatic
<b>Spines/thorns</b>	Yes
<b>Toxicity</b>	usually not toxic to people, (large) pets and livestock
<b>Soil type</b>	few requirements
<b>Paving</b>	tolerates no paving
<b>Winter hardness zone</b>	4 (-34,4 to -28,9 °C)
<b>Wind resistance</b>	fairly to good
<b>Other resistances</b>	resistant to frost (WH 1 - 6), can withstand wind
<b>Fauna tree</b>	resistant to frost (WH 1 - 6), can withstand wind, valuable for butterflies
<b>Application</b>	parks, tree containers, cemeteries, roof gardens, large gardens
<b>Shape</b>	clearstem tree
<b>Origin</b>	Eastern North America

Grows from a shrub shape to small, sometimes multi-stemmed tree with a round crown. On the twigs there are two thorns under each bud. On mature bark, these thorns are sometimes visible as small bumps. The imparipinnate leaves consist of 5 to 11, sometimes 13 dark green oval to ovate leaf segments. On the leaf stem there are always 1 or 2 prickles where the leaf segments are attached. The axillary clusters of green-yellow flowers appear before the leaf development and are not very conspicuous. They are followed by black fruits. These are aromatic, very sharp tasting and have a numbing effect. Indians used to chew on the fruit to relieve toothache. It is for this reason it is known as the Toothache Tree. It is a quite inconspicuous park tree suitable for defensive planting. Has few soil requirements and is very hardy.