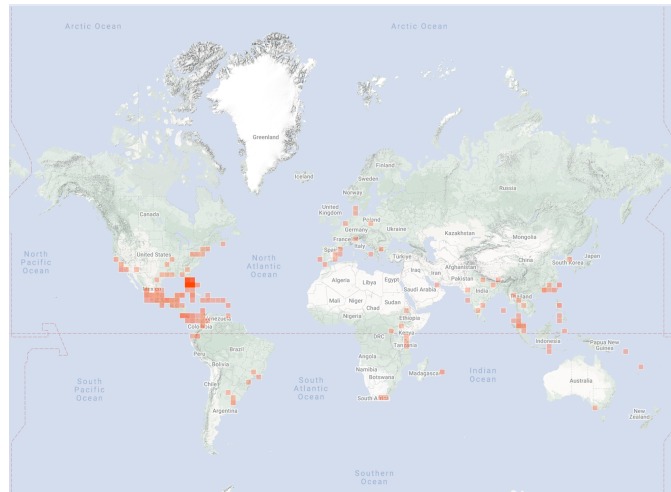


Engraving of *Ficus maxima*
indica after a drawing by
Hans Sloane, published
1725

Distribution and Habitat

The *Ficus aurea* is found in Florida, the northern and western Caribbean, southern Mexico, and Central America south to Panama. These Hemi-epiphytes are located at tropical locations in cloud or mangrove forests. The species does best in full sun to shade and likes wet soils. They are highly drought tolerant and they can endure inundation of brackish water.



Ficus aurea distribution (INaturalist)

Natural history

Ficus trees have formed a mutualistic relationship with fig wasps, its how the flowers are pollinated and where the fig wasps reproduce. Figs flower and fruit asynchronously, which is pertinent to the fig wasps. The reproduction process could not happen without the efforts of the fig wasp, specifically, the gall wasp. The figs have a small entrance to where the seeds are located. The hole is big enough for the female wasp to enter, though once she does so she loses her wings and can not exit as the hole closes on itself. Further she deposits pollen and lays her eggs on the stigma of the flowers of the fig seeds. A few days later the baby wasps are born and eventually the male wasps- born without wings and cannot leave- bore a hole in the fig fruit. The female gall wasps fly out of the fruit and go on to spread pollen to other fig fruit. Distribution occurs when the seeds inside the fig are pollinated and the fruit falls. Typically figs are eaten by forest creatures and the dung carrying the pollinated seeds are planted far from the mother tree. The parasitic strangler tree uses its thick fig foliage in the canopy to help succeed in taking over the host tree robbing it of sunlight. Though the strangler tree also has the potential to help the host tree it strangles in storm events from decreasing the chances of the host getting uprooted. The strangler tree is a keystone species as it provides shelter for many different species and can be used for medicines. It is also a keystone fruit resource as they provide food to frugivores of the tropics, like: birds, coatis, rodents, bats, etc. Figs are also harvested by humans to eat and for

medicine usage. The strangler tree, like its relative the banyan tree, also have religious and spiritual connotations- it's said Buddah once meditated under one.

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