

## Formosa koa

*Acacia confusa* Merr.

Legume family (Leguminosae)

Post-Cook introduction

Handsome spreading evergreen, tree, introduced for ornament and forest planting, with compact rounded crown, curved or sickle-shaped "leaves, like koa, flowers in small light yellow balls, and narrow flat dark brown pods not smaller between seeds. A tree 20–50 ft (6–15 m) tall, with one or more forking trunks to 1 ft (0.3 m) in diameter and widely spreading branches. Bark gray, smooth; inner bark whitish, fibrous, slightly bitter. Twigs slender, brown, hairless. Mimosa subfamily (Mimosoideae)

Leaves alternate, modified as sickle-shaped flattened leafstalks (phyllodes) like koa, narrowly lanceshaped, curved, 2½–3½ inches (6–9 cm) long and ⅜–⅝ inch (5–10 mm) wide, slightly thickened, hairless, gradually narrowed to both ends, with tiny curved point at apex, with several fine parallel veins from base, dull green.

Flower clusters of light yellow balls (heads) ⅜ inch (1 cm) in diameter, one or two on slender stalks about ½ inch (13 mm) long at leaf base. Flowers slightly fragrant, tiny, numerous, stalkless in balls, nearly ¼ inch (6 mm) long, consisting of five sepals, no petals, many spreading threadlike separate stamens ending in dot anther, and narrow pistil with threadlike style.

Fruits (pods) narrow flat, 2–4 inches (5–10 cm) long, ⅝–⅜ inch (8–10 mm) wide, dark brown, short-pointed at apex, narrowed into stalk at base, not smaller between seeds, splitting open. Seeds 4–8, beanlike, ⅜ inch (5 mm) long, elliptical, slightly flattened, dark brown, slightly shiny.

The heartwood is pale brown, not sharply demarcated from the paler sapwood. The wood is moderately heavy and hard and should be suitable for use in furniture manufacture. In Hawaii, the wood has not been used, probably because the tree is almost always too small and the stem too crooked to be suitable for sawing into lumber.

More than 295,000 trees have been planted by the Division of Forestry in the Forest Reserves of all islands since introduction from Taiwan about 1925. The tree is quite hardy in adverse conditions and has been used extensively for revegetating eroded sites in Hawaii,

also in Taiwan and the Northern Mariana Islands. It grows well on both wet and dry sites from sea level to 2000 ft (610 m). Trees can be seen at Ualakaa State Park (Round Top), Oahu, or on the mall near Hamilton Library, University of Hawaii.

### **Special areas**

Waimea Arboretum, Tantalus

### **Champion**

Height 65 ft (19.8 m), c.b.h. 5.9 ft (1.8 m), spread 88 ft (26.8 m). Kohala Forest Reserve, Muliwai, Hawaii (1968).

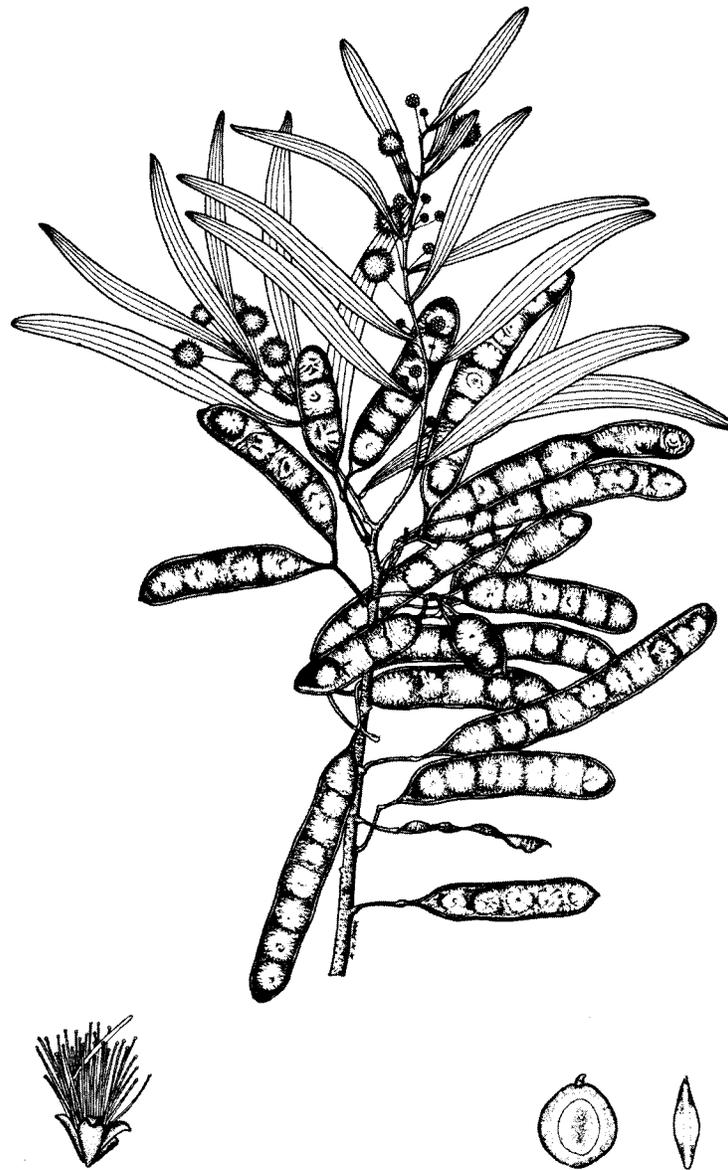
### **Range**

Native of Taiwan and Philippines

### **Other common names**

Formosan koa, small Philippine acacia; yanangi (Palau)

The native species koa (*Acacia koa* Gray), is a taller tree with larger, more curved "leaves" and longer pods.



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Twig with phyllodes, flowers, and fruits, ½ X;  
flower (lower left), 3 X; seeds (lower right), 2 X (Degener).