## Pithecellobium dulce

Central and South America

Common names: Ecology:	Eng: Madras thorn, Manila tamarind; Swah: mkwaju wa kihindi, maramata. The natural range for <i>P. duke</i> is Mexico, Central America, and northern South America. It is tolerant of most soils including very poor sands and wet salty soils. It tolerates arid and semi-arid conditions. In Tanzania P. <i>dulce</i> has been extensively planted for shade and as a hedge plant, mainly along the coast, 0-1,600 m.
Uses:	Firewood, timber (general construction), poles, food and drink (fruit pulp), fodder (leaves, pods, seeds), bee forage, soil conservation, shade, ornamental, windbreak, tannin, gum (bark), oil (seeds), soap (oil), live fence.
Description:	A thin shapeless shrub or tree 4—15 m, armed with short spines at the base of each leaf pair. BARK: pale and smooth with horizontal marks, bole short, young branches thorny, drooping. LEAVES: thin stalks bear two pairs of leaflet; each to 5 cm, asymmetric oval, the tip rounded or notched. FLOWERS: small, cream-yellow on a short stalk, bunches of green-white stamens, 1 cm across. FRUIT: heavy pods, about 12 cm, spirally twisted, constricted between seeds. red when mature, splitting to release glossy black seeds almost covered with the fleshy red and white edible aril. A sweet pulp surrounds the seeds.
Propagation: Seed info.:	Seedlings, direct sowing, cuttings. No. of seeds per kg: 7,000-26,000. Germination is very good and fast, 95% after 2 weeks.
treatment:	none, or soak in cold water for 6 hours.
storage: Management: Remarks:	can be stored up to one year if kept dry and free from insects. Fast growing; coppicing, trimming (for live fence). The species has the potential of becoming a weed if not well managed. It is popular as a spiny hedge but often confused with <i>Acacia Senegal</i> . It is extremely drought resistant and fast growing, coppicing well and car withstand heavy browsing or cutting for fodder.

