Acacia nilotica

Botanical name: *Acacia nilotica* Common name: Babool

Morphological characters:

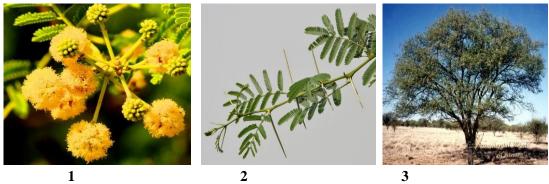
Acacia nilotica is a tree 5–20 m high with a dense spheric crown, stems and branches usually dark to black coloured, fissured bark, grey-pinkish slash, exuding a reddish low quality gum. The tree has thin, straight, light, grey spines in axillary pairs, usually in 3 to 12



pairs, 5 to 7.5 cm (3 in) long in young trees, mature trees commonly without thorns. The leaves are bipinnate, with 3–6 pairs of pinnulae and 10–30 pairs of leaflets each, tomentose, rachis with a gland at the bottom of the last pair of pinnulae.

Growing season and type:

- 1. Tolerates a wide range of soil types, thriving in alluvial and heavy clay soils with pH 5.0-9.0.
- 2. Grows from 0-1,340 m altitude, with an annual mean temperature of $18-28^{\circ}$ C. Tolerates extremes of temperature (-1-50°C) when established, but is frost sensitive as a seedling.
- 3. Flower initiation is triggered by declining temperature and possibly by declining soil moisture (generally throughout autumn) green pods form during the dry season and ripen into the late dry/early wet season.
- 4. The flowers are sweetly scented and appear near the beginning of the rainy season. Flowering is prolific, and can occur a number of times in a season.
- 5. This species will tolerate only light frost, but is extremely resistant to drought and heat. It is also tolerant of saline soil.



1)Flower image of Acacia nilotica

2)Leaf image of Acacia nilotica

3)Tree image of *Acacia nilotica*

source:https://www.flickr.com/photos/39456218@N00/11494528394,https://en.wikipedia.org/wiki/List_of_Ac acia_species_known_to_contain_psychoactive_alkaloids