



# BAMBOO SOCIETY OF INDIA

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## *Bambusa tulda*

### (TULDA, INDIAN TIMBER BAMBOO, BENGAL BAMBOO)

Tulda can grow 6-20 m tall and 5-10 cm thick. Has excellent tensile strength of up to 60,000 pounds (27000kg) per Sq. inch.

Tall dull green coloured turning greyish green when mature. Have few closely growing culms. Young shoots yellowish green with powdery top. Culms covered with white bloom. Several or many clustered branches. Culms thick walls 10-20 mm, internodes 40-60 cm long (good for Agarbathi sticks).

**Growth:** Fast. 70cm/day

**Flowering Cycle:** 15-60 years gregarious flowering for 2-4 years.

**Climate:** Tropical – Subtropical

**Exposure:** Full Sunlight. Can also do well in semi shade.

**Soil:** Loamy and alluvial soils, fertile and well drained.

**PH:** 5-6

**Water need:** Average

**Altitude:** 0-1500 mts.

**Rainfall:** Moist areas. 1500-4000 mm

**Relative Humidity:** 60-90%

**Temperature:** 4 degree C-37C Best: 22-28 C. Tolerated up to 42 degrees C.

**Poor tolerance:** Severe drought, Prolonged waterlogging. Frost and freezing temperatures.

- Arid climates with low humidity.

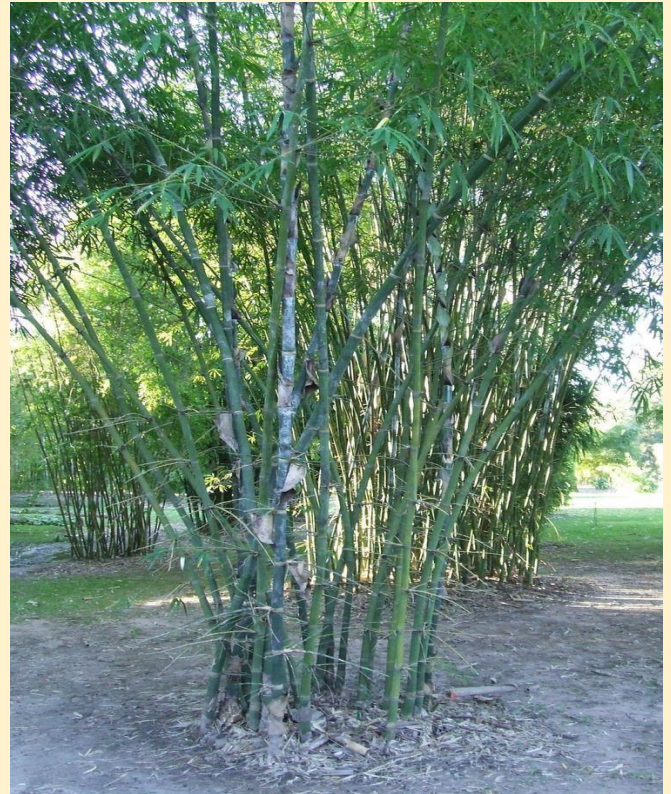
**Propagation:** By seed (viability 70%), rhizomes, culm cuttings, branch cuttings and Tissue culture.

**Planting distance:** 5 m × 5m/ 6m × 6 m (for quality culms)

**Yield:** Average yield about 12 Tons /acre/ year

**Uses:** Agarbathi/round sticks, lumber, construction, Scaffolding, Furniture, Basketry, Mats, Handicrafts, paper pulp, wind break

**Shoots:** Edible.



**For screening (as fence):** 3m X 3m

**Harvesting:** Matures in 5-7 years. 3-4 years old culms are harvested. 3-6 culms evenly spread to be retained after harvesting for better growth. Harvested poles placed in flowing water for 10-20 day and then air dried 1.5-3.5 months for durability.